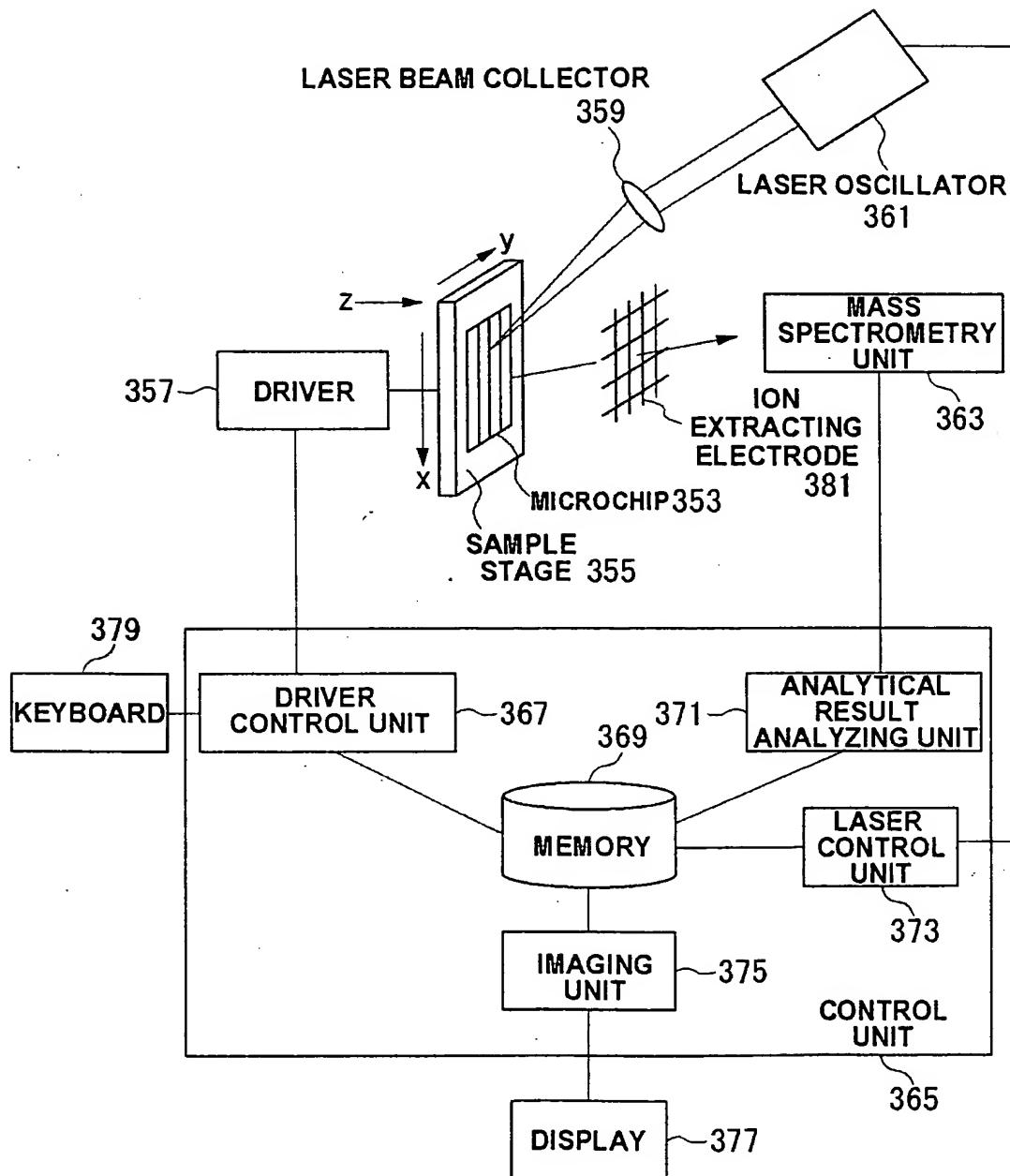


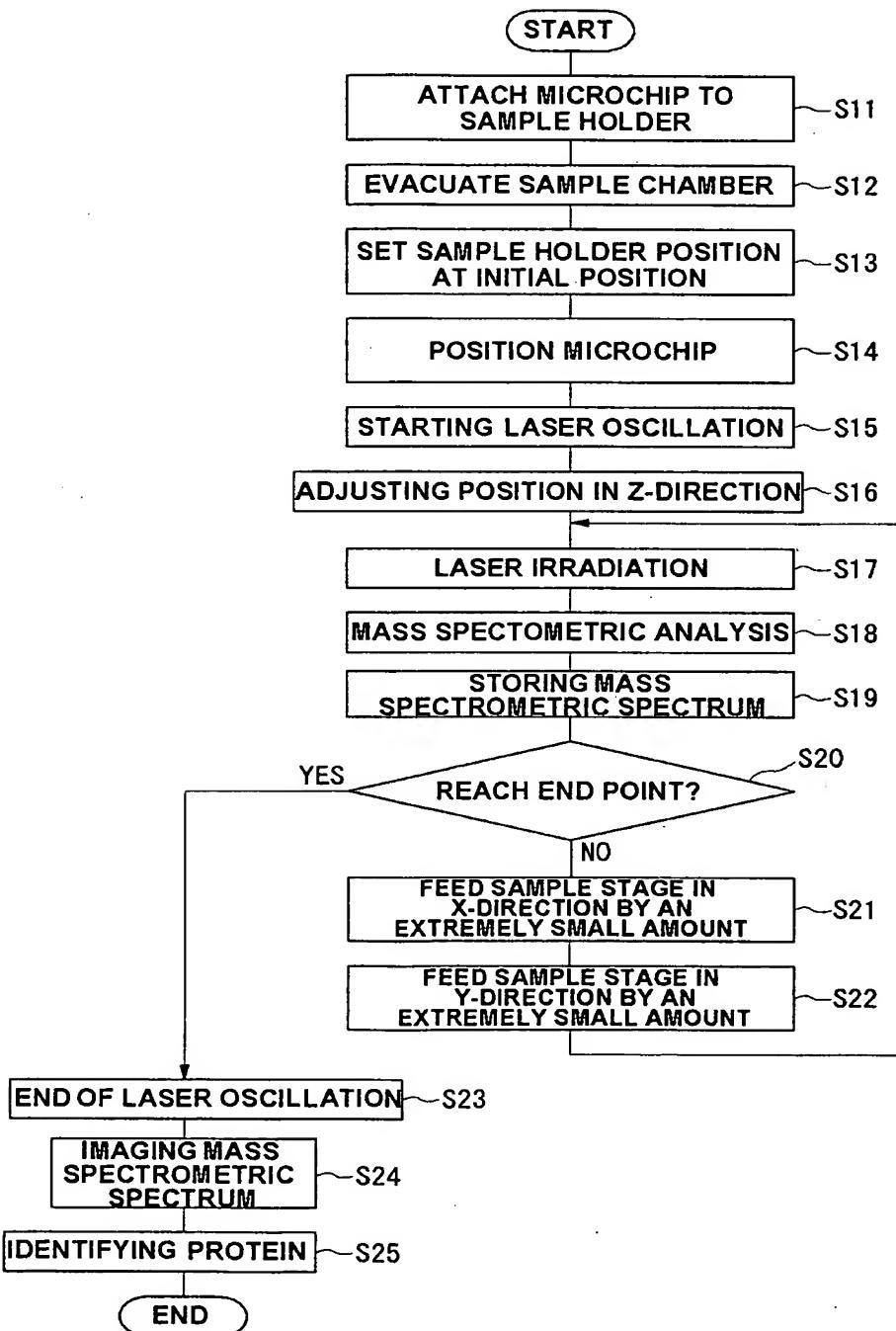
1 / 87

Fig. 1

351

2 / 87

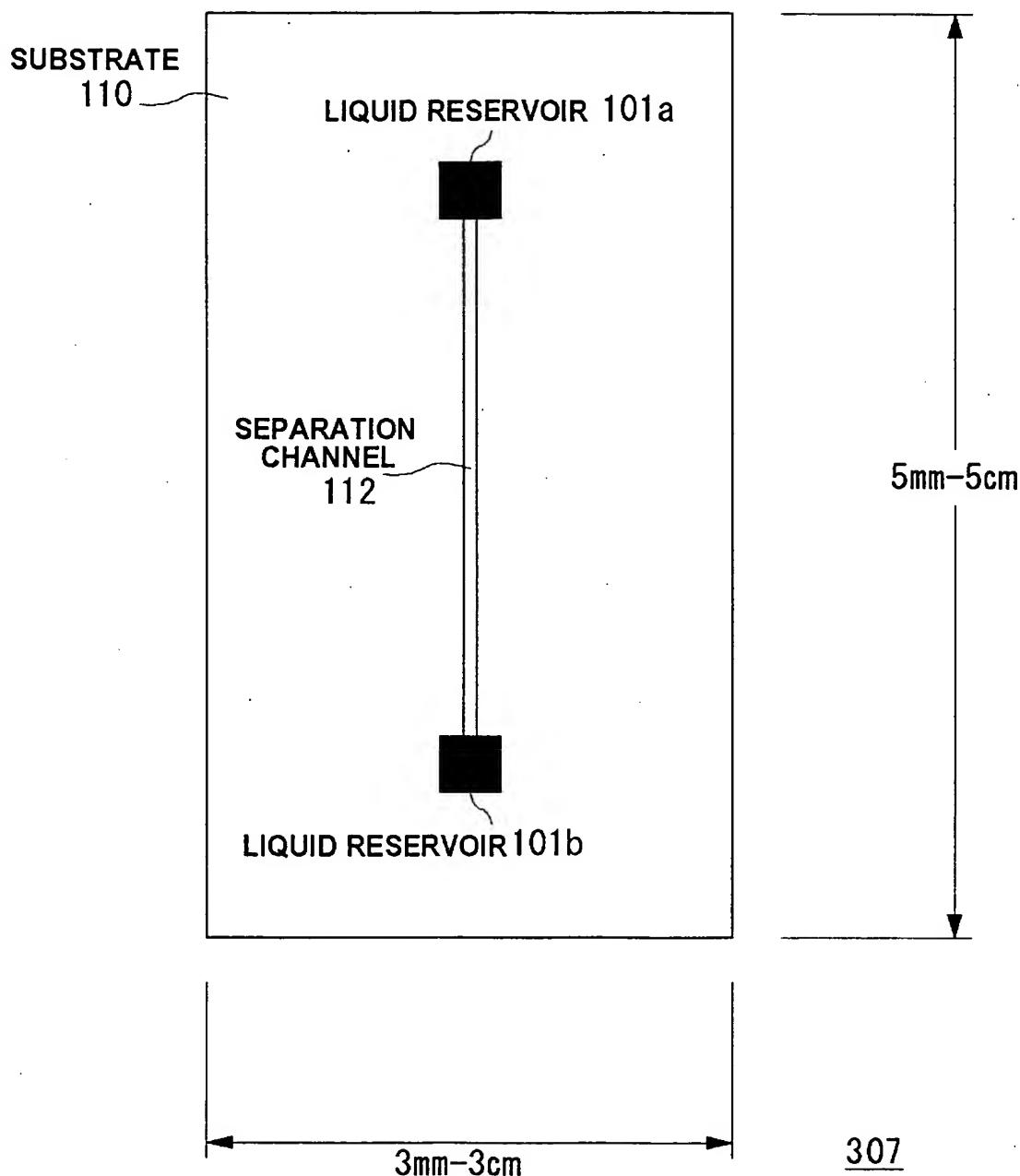
Fig.2



10/549587

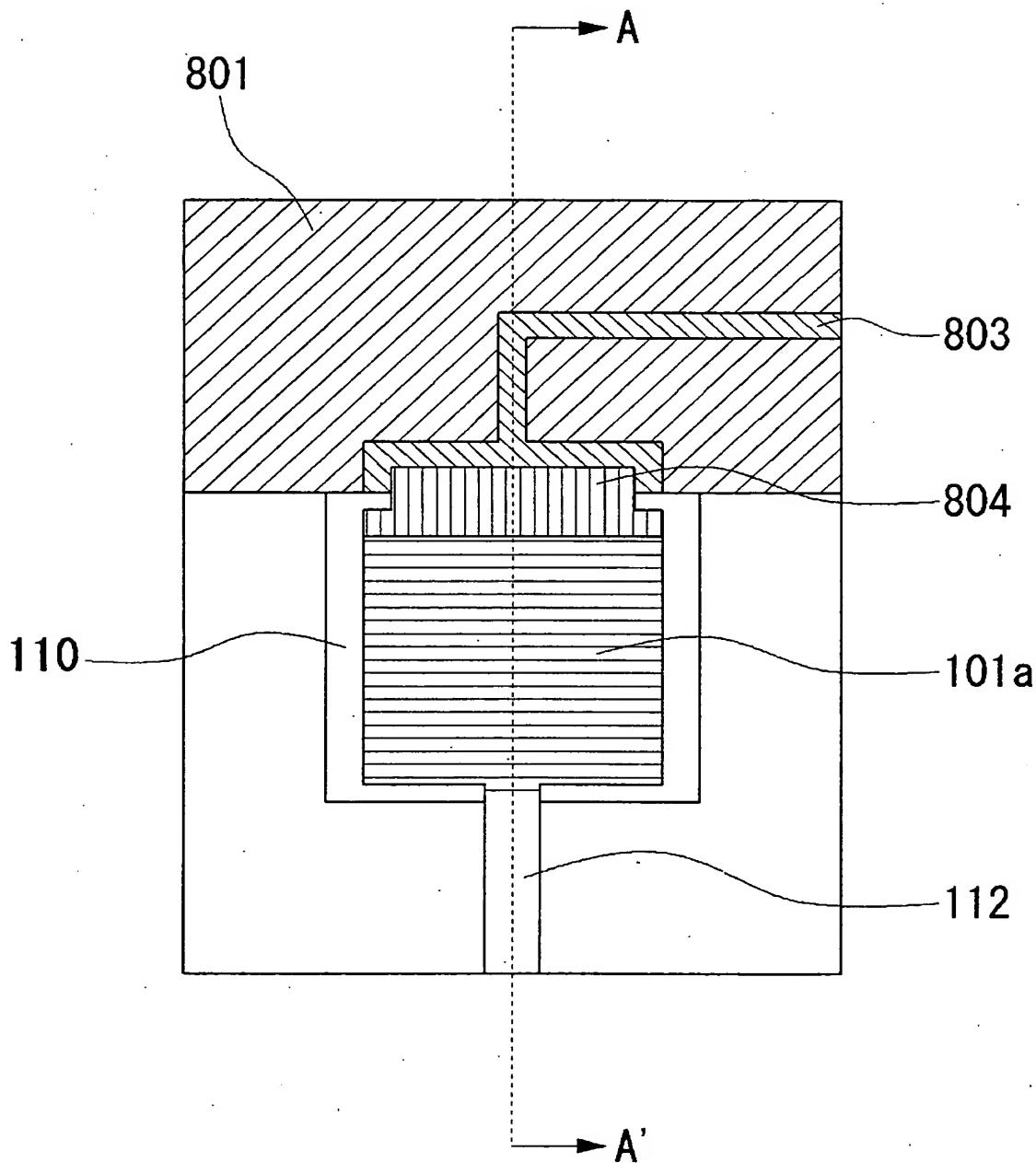
3 / 87

Fig.3



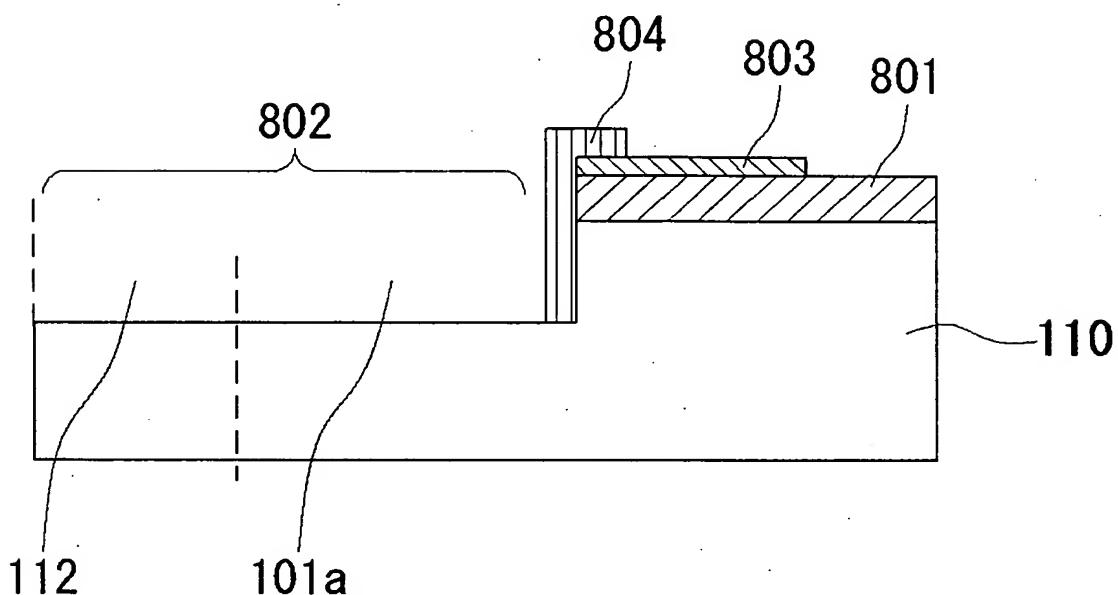
4 / 87

Fig.4



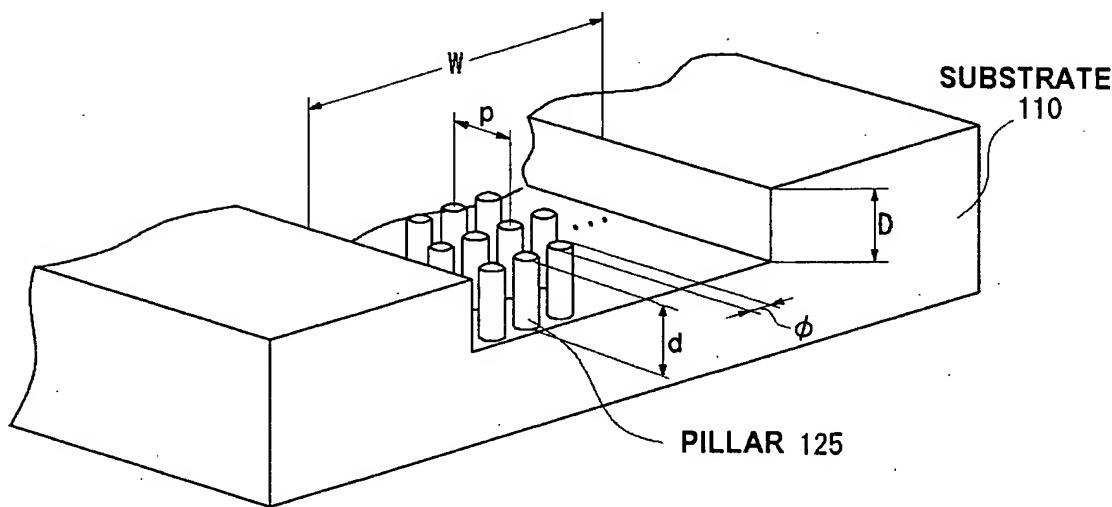
5 / 87

Fig.5



6 / 87

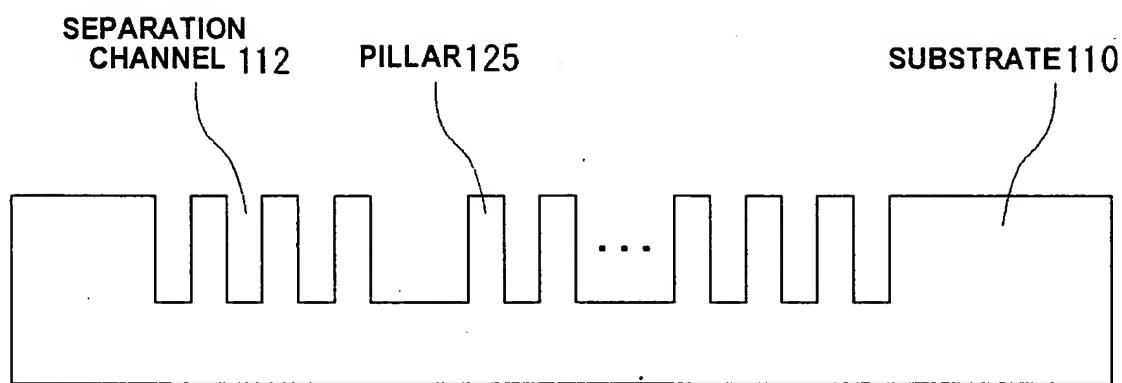
Fig.6



W	10 ~ 2000 $\mu$ m
D	50nm ~ 3 $\mu$ m
$\phi$	10 ~ 100nm
d	10nm ~ 3 $\mu$ m
p	1nm ~ 10 $\mu$ m

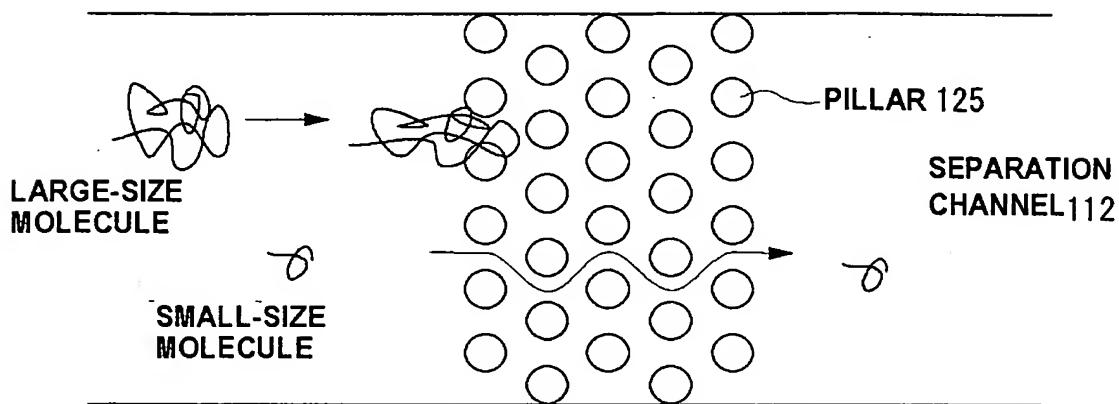
7 / 87

Fig.7



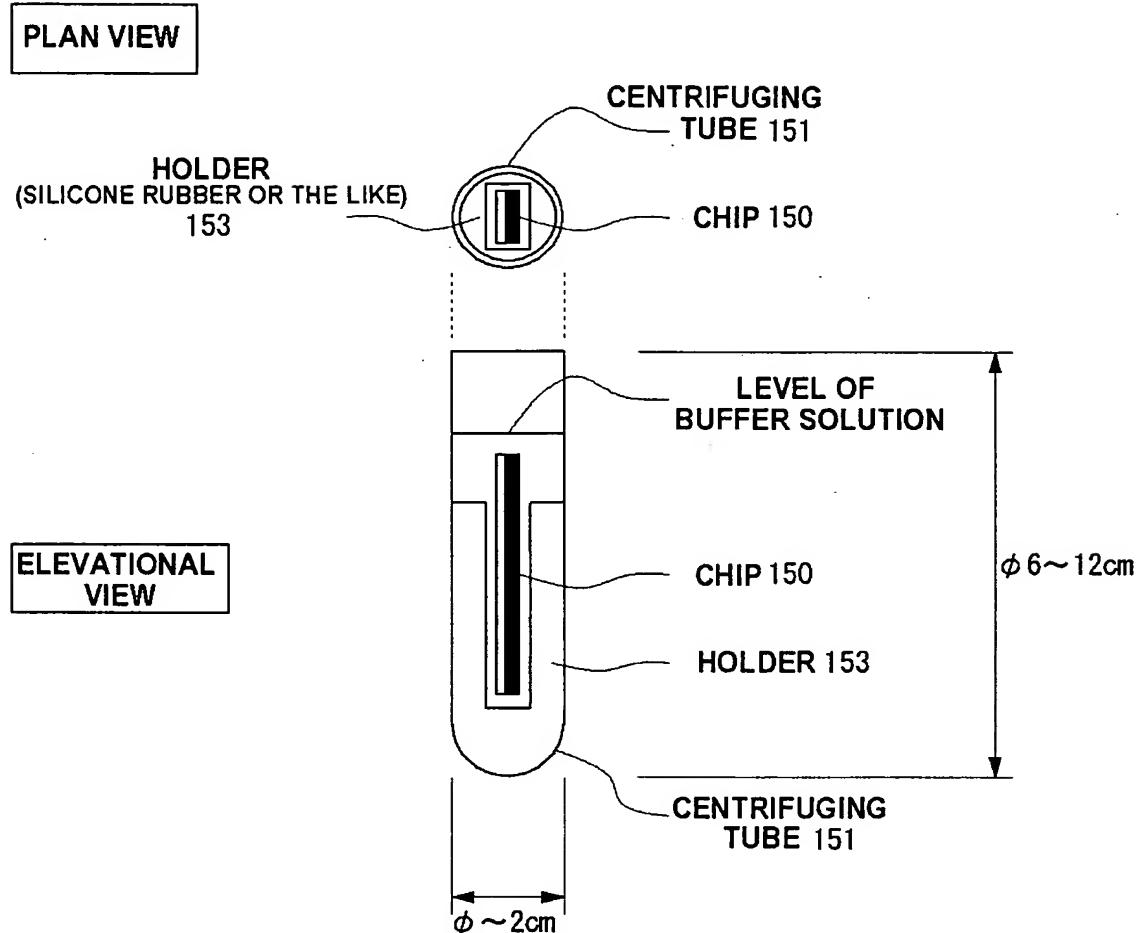
8 / 87

Fig.8



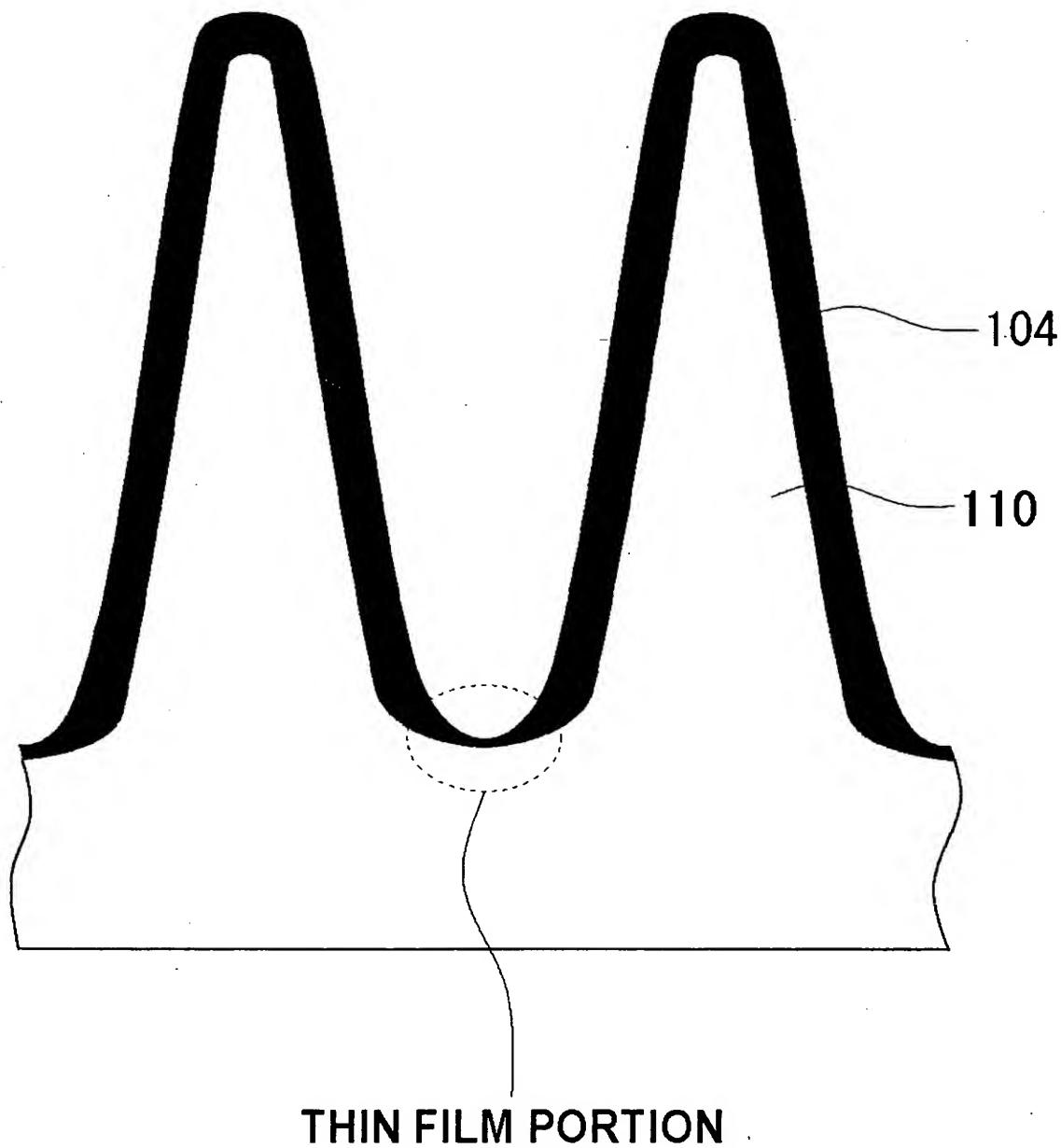
9 / 87

Fig.9



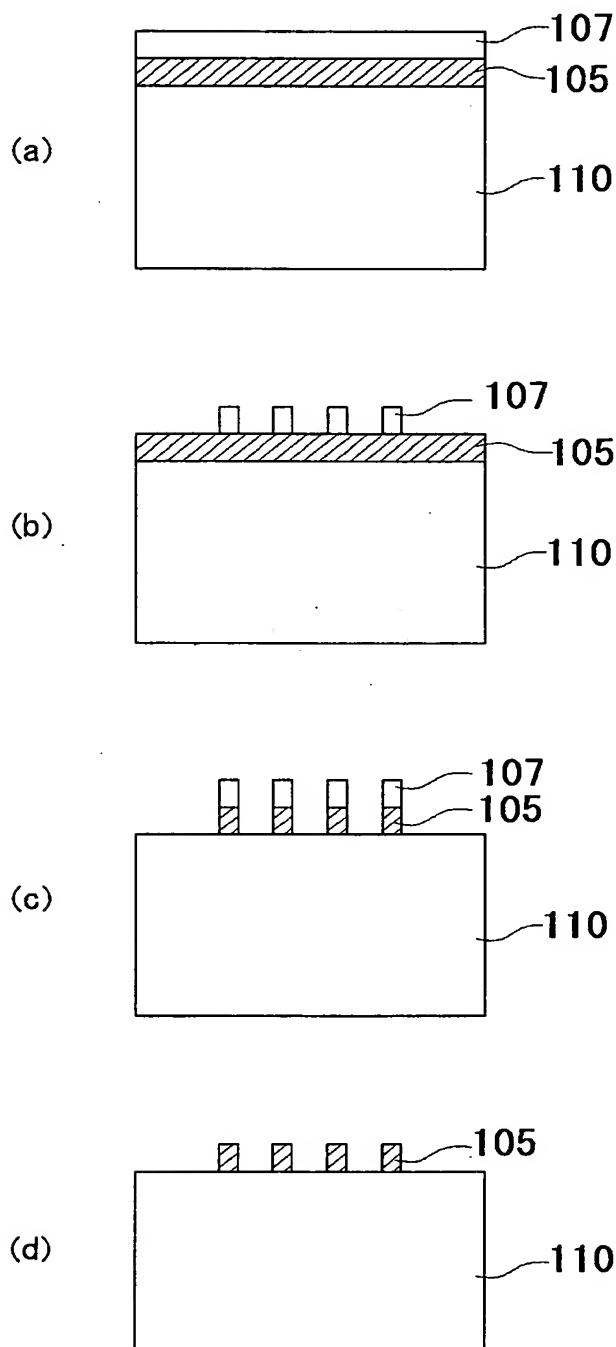
10 / 87

Fig.10



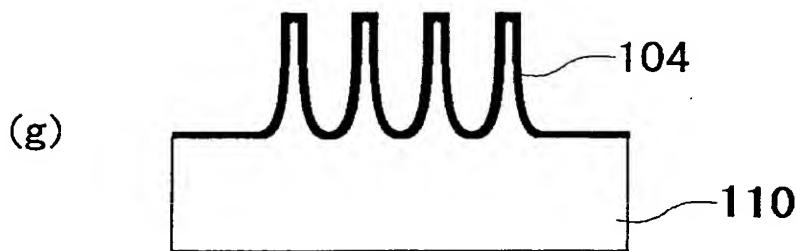
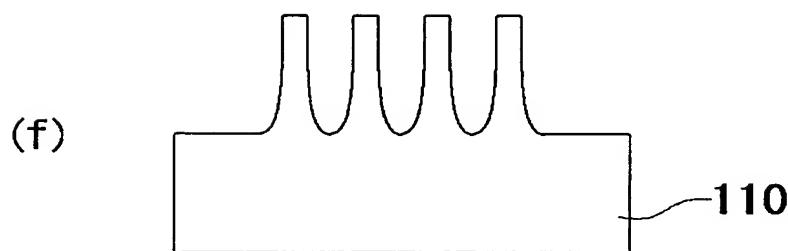
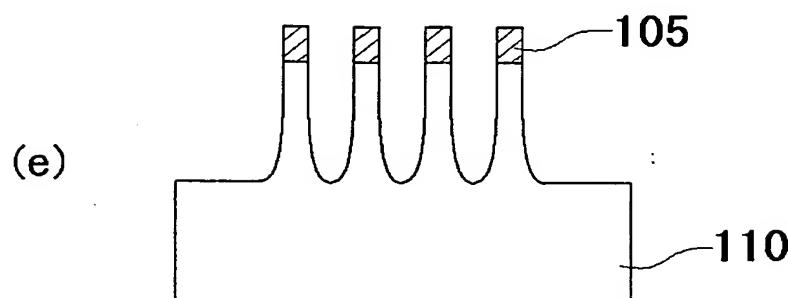
11 / 87

Fig.11



12 / 87

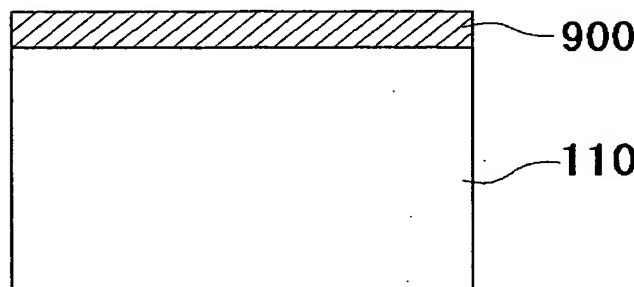
Fig.12



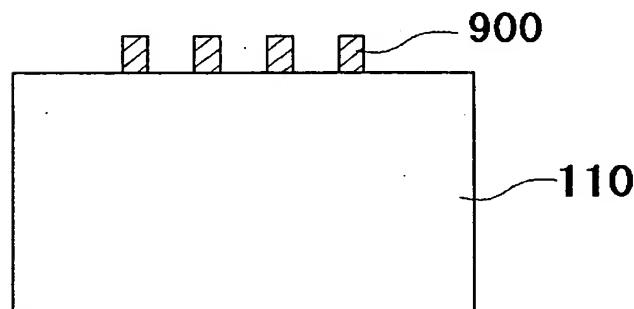
13 / 87

Fig.13

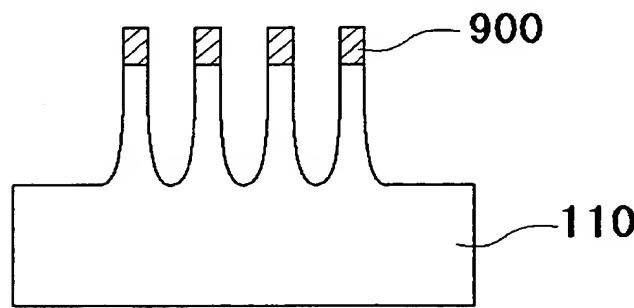
(a)



(b)

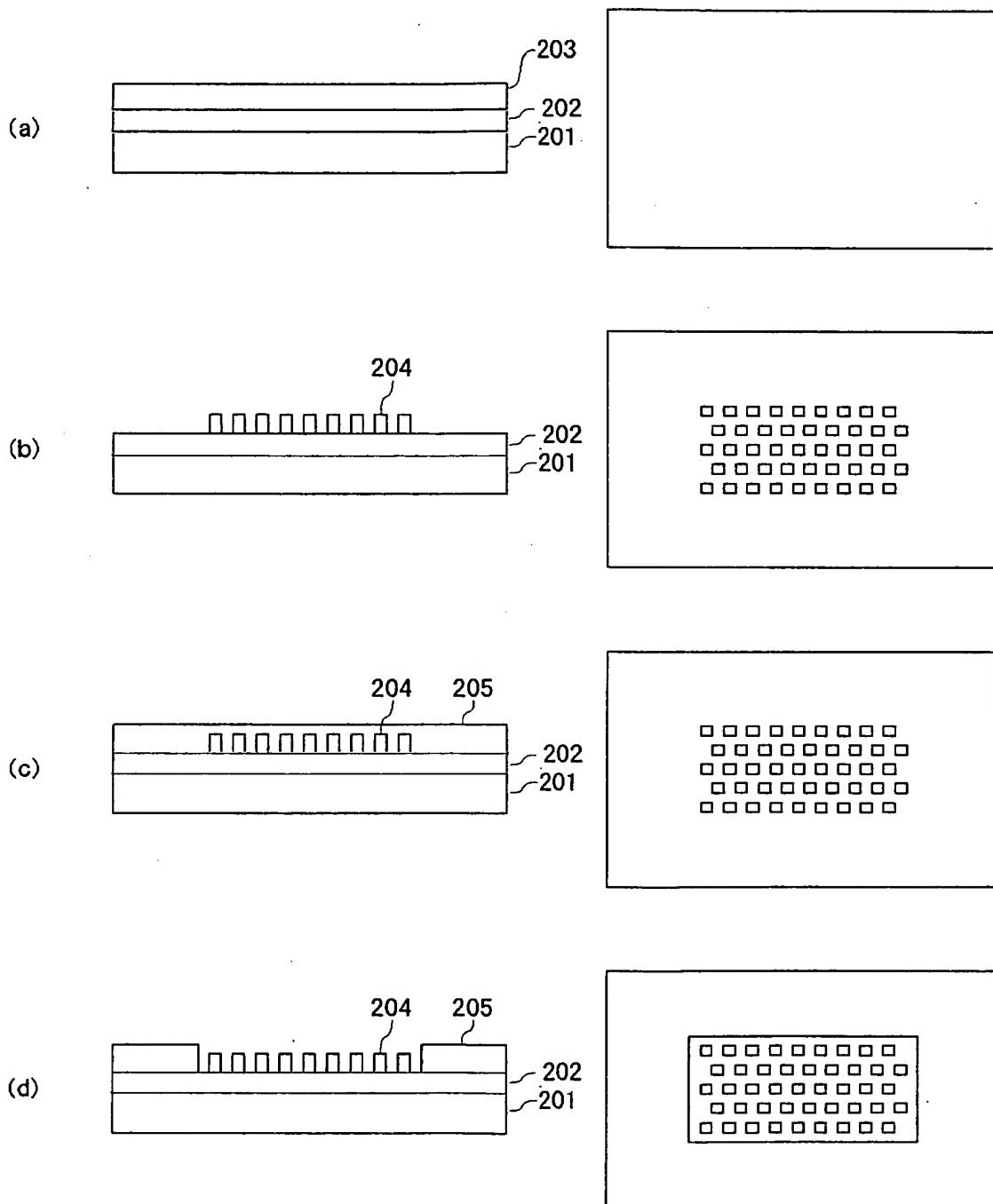


(c)



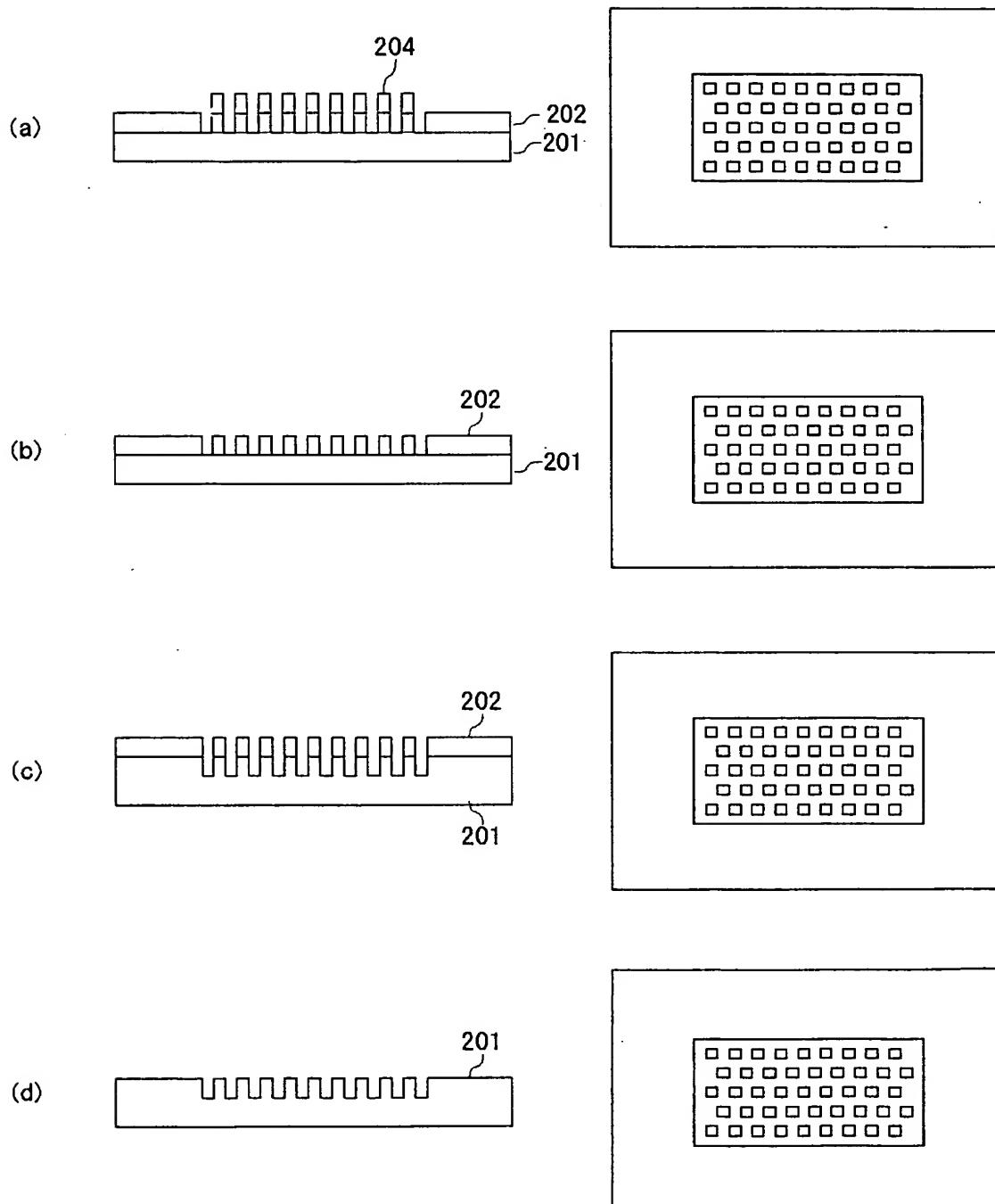
14 / 87

Fig.14



15 / 87

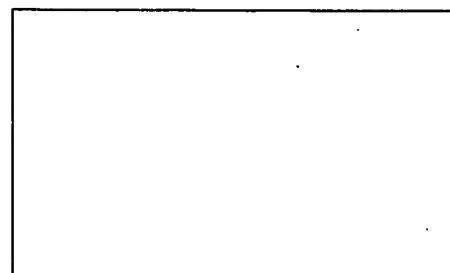
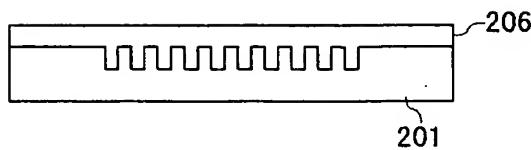
Fig.15



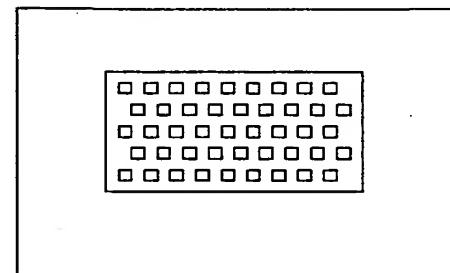
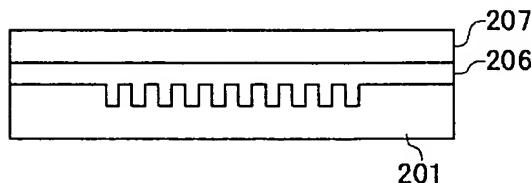
16 / 87

Fig.16

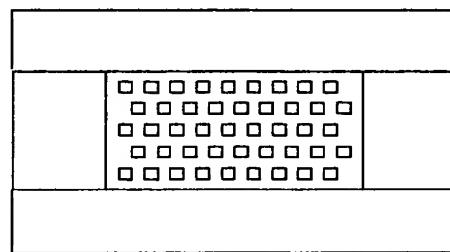
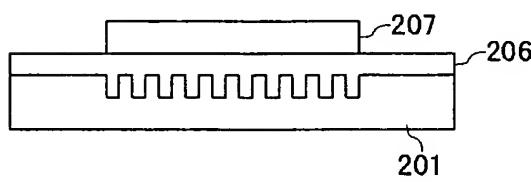
(a)



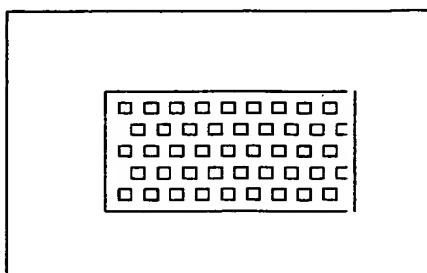
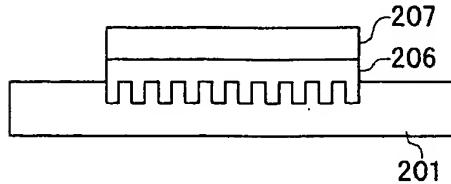
(b)



(c)



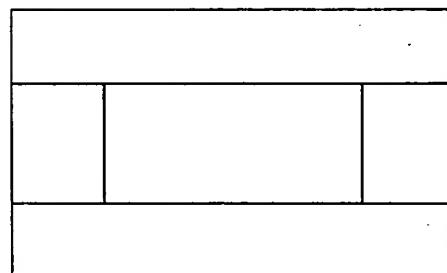
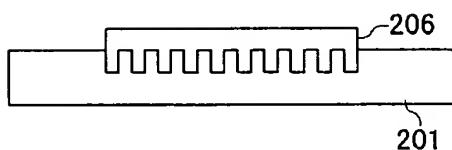
(d)



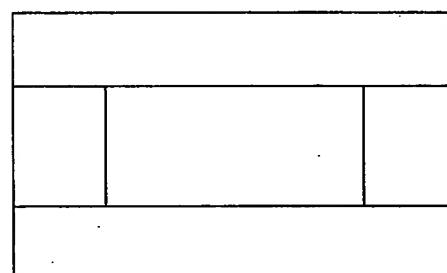
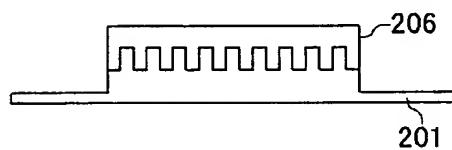
17 / 87

Fig.17

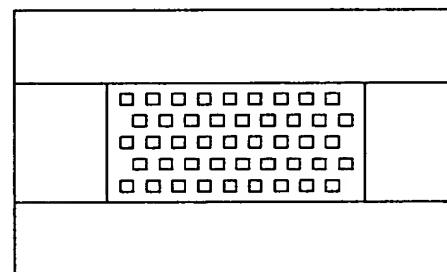
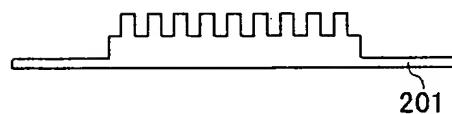
(a)



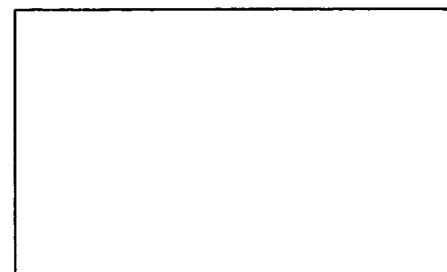
(b)



(c)



(d)



MASS SPECTROMETRY SYSTEM AND METHOD FOR ANALYSIS

Katsutoshi Takahashi, et al

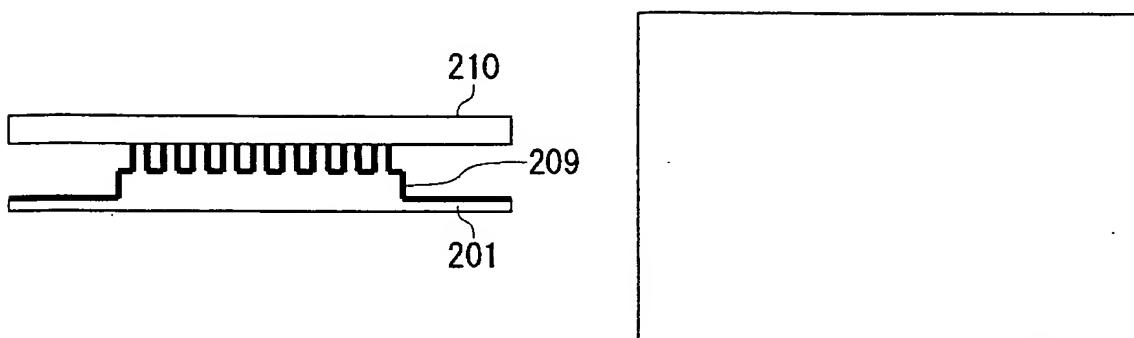
19162

Sheet 18 of 87

10/549587

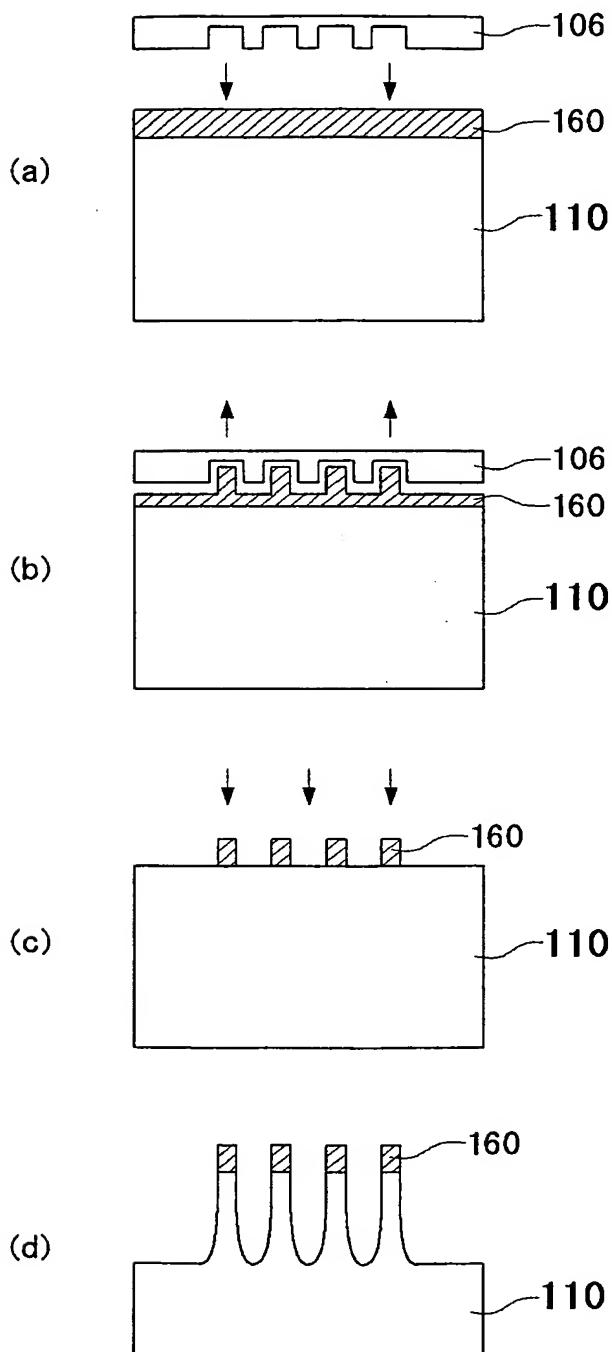
18 / 87

Fig.18



19 / 87

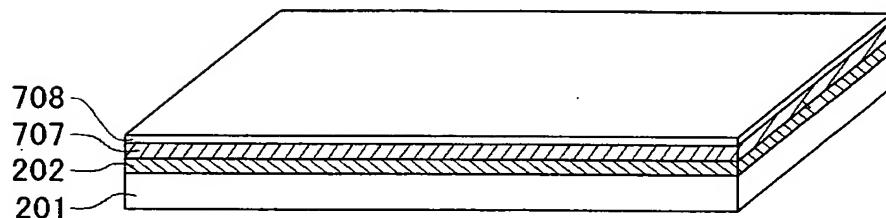
Fig.19



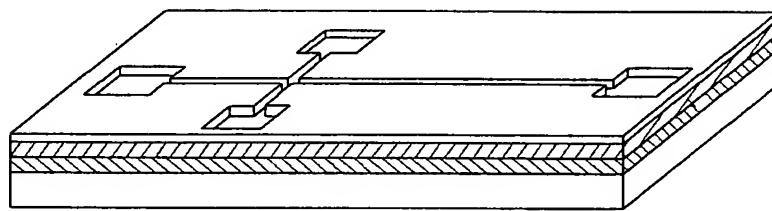
20 / 87

Fig.20

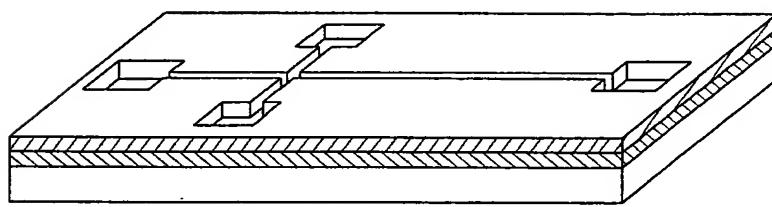
(a)



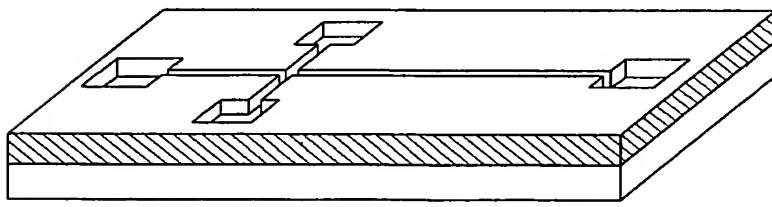
(b)



(c)



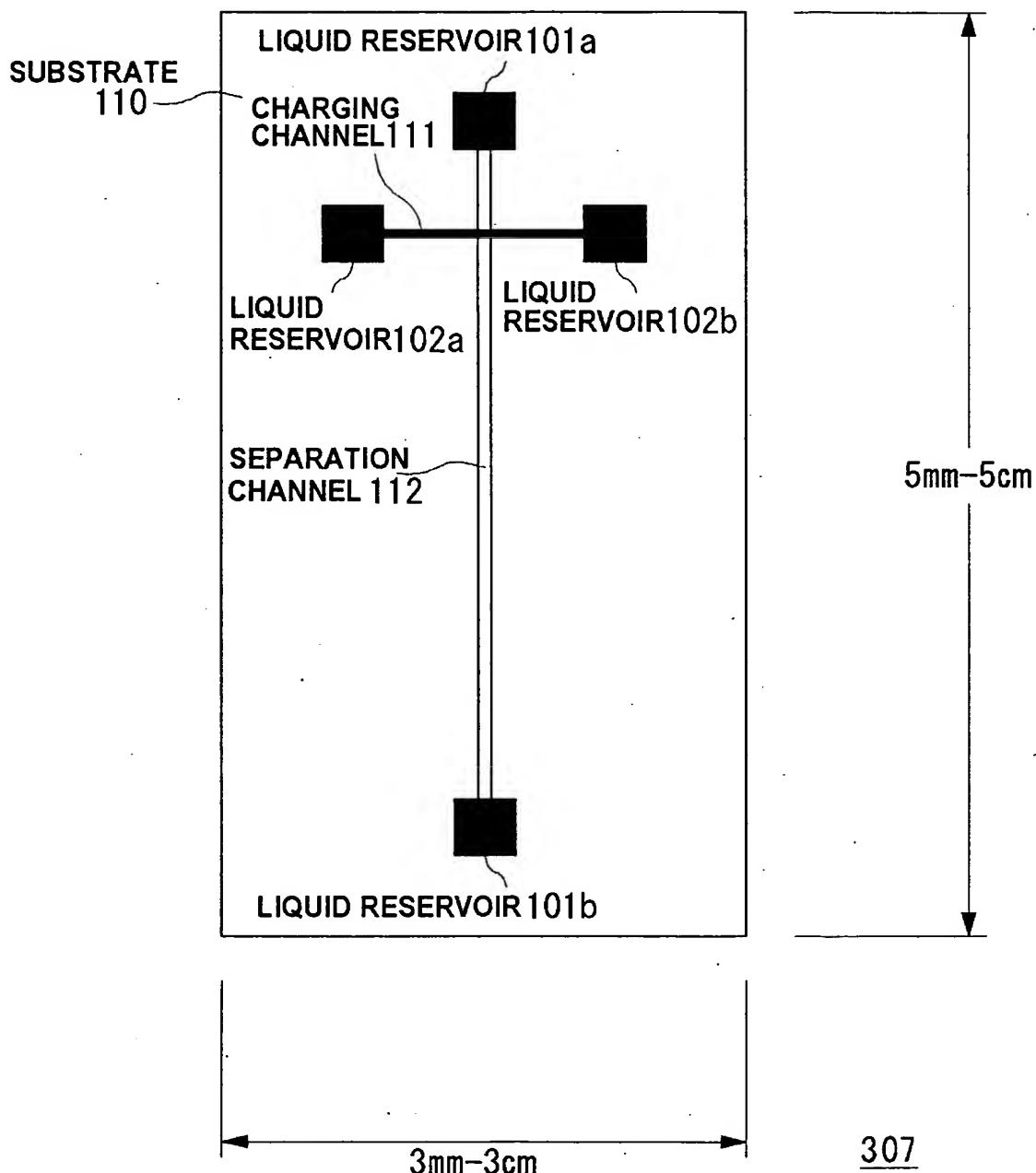
(d)



10/549587

21 / 87

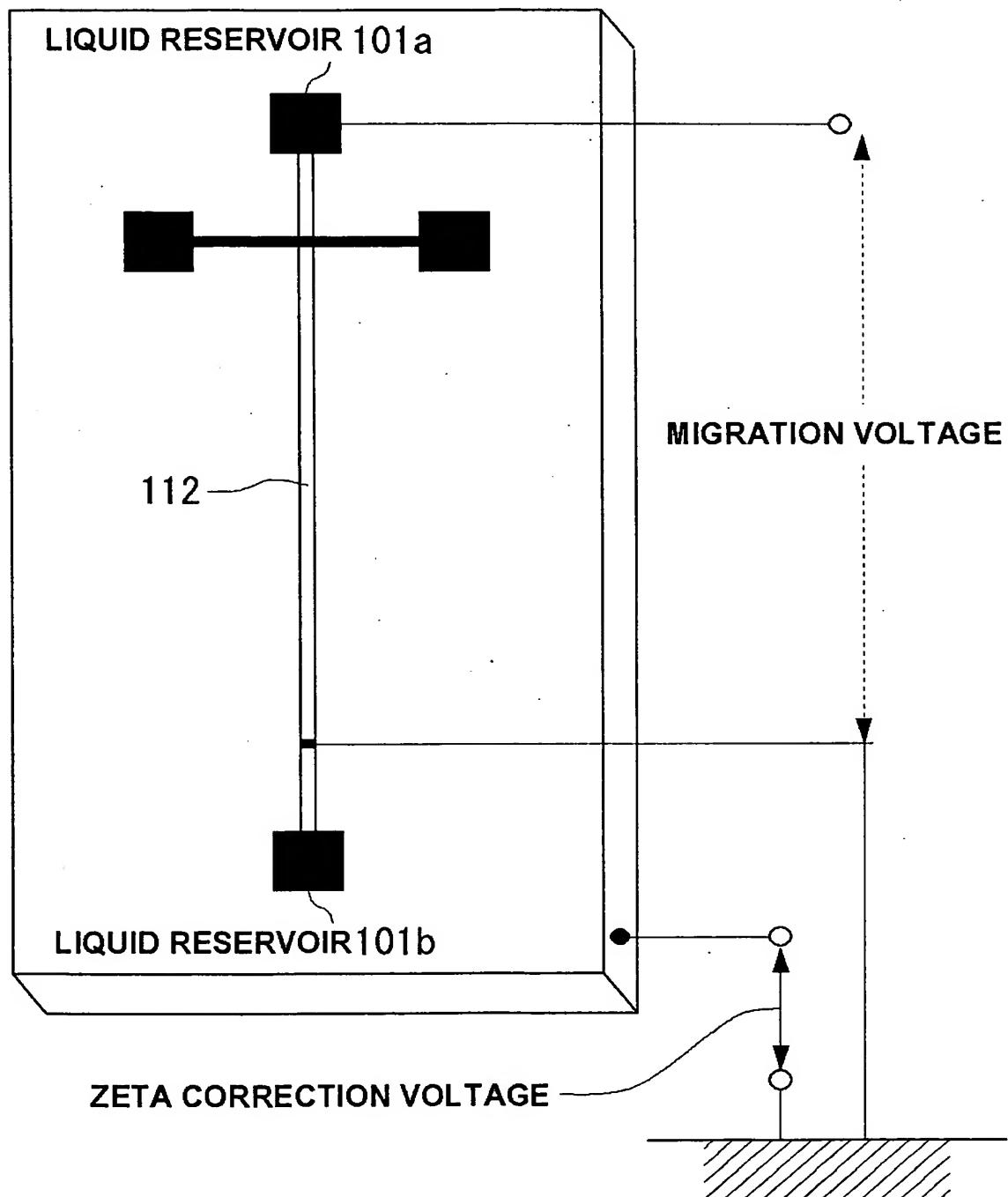
Fig.21



307

22 / 87

Fig.22



23 / 87

Fig.23

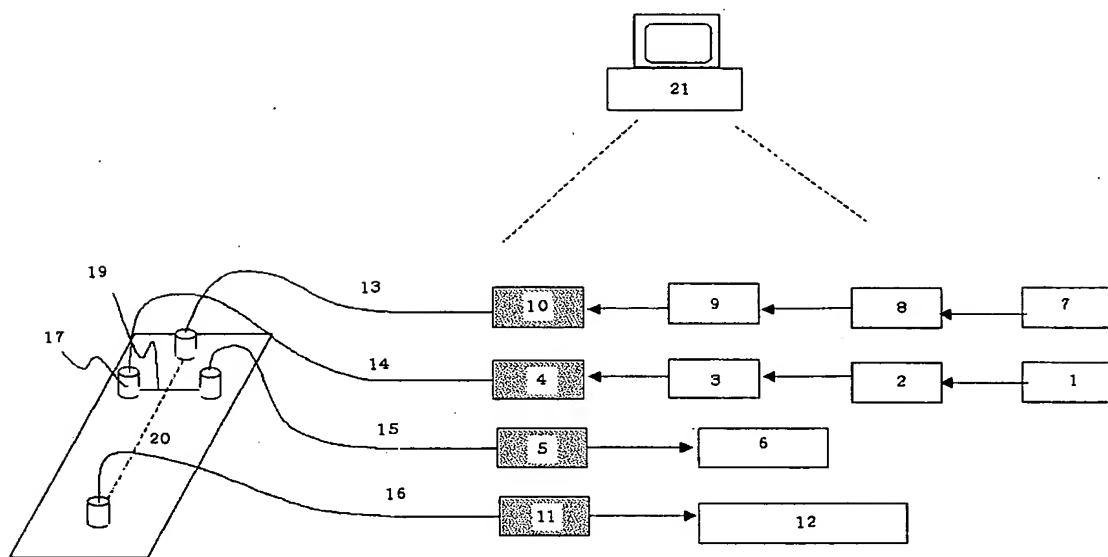
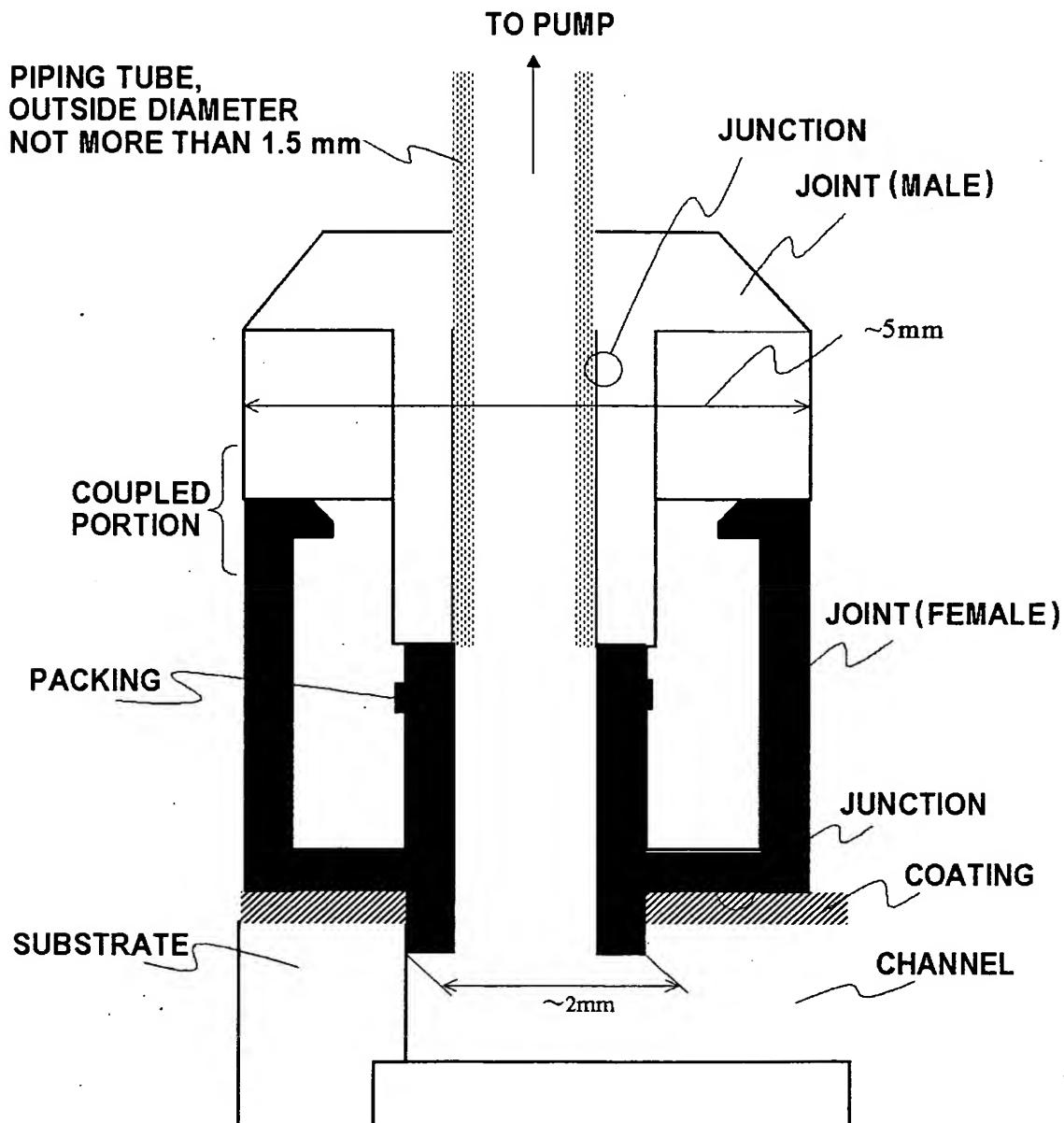
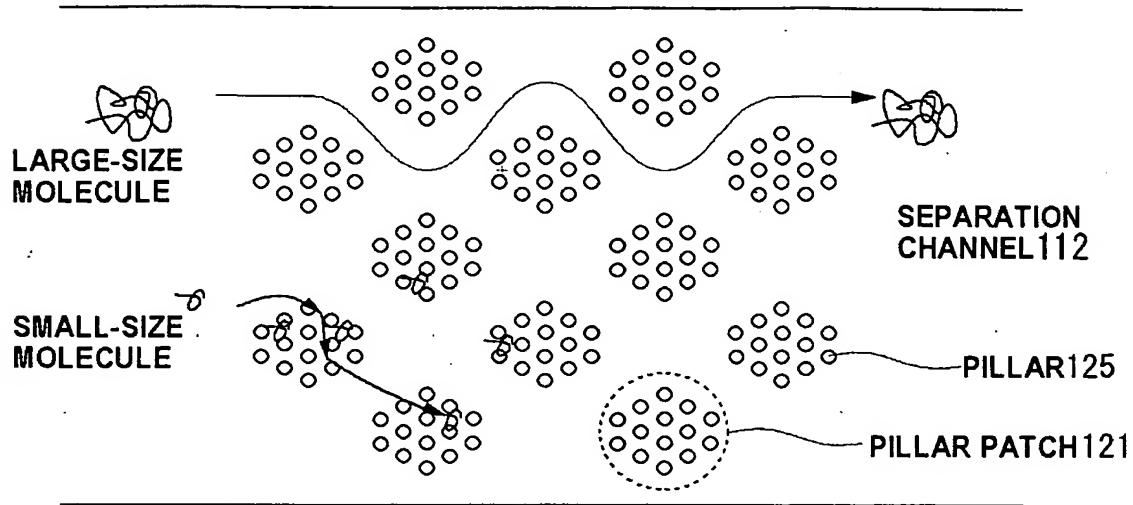


Fig.24



25 / 87

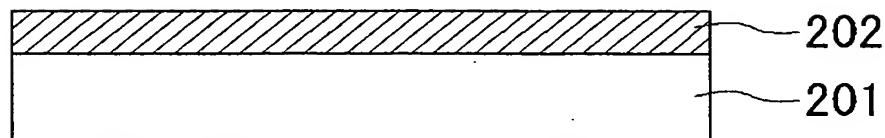
Fig.25



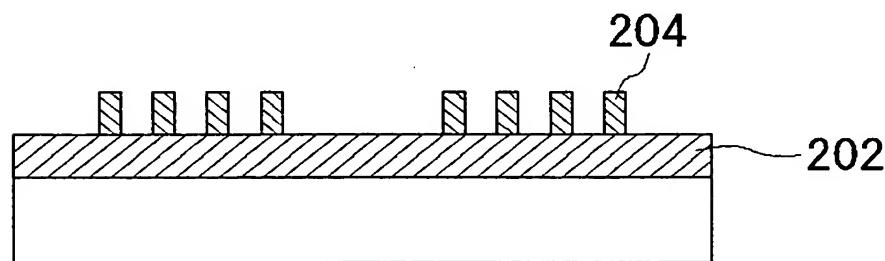
26 / 87

Fig.26

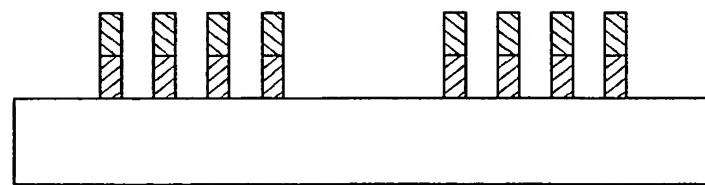
(a)



(b)



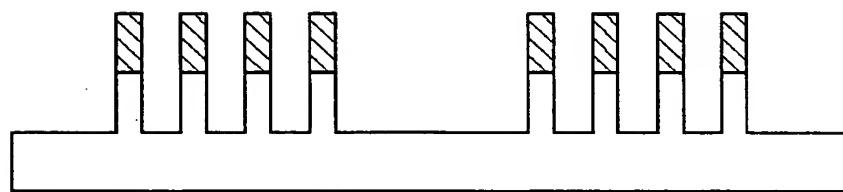
(c)



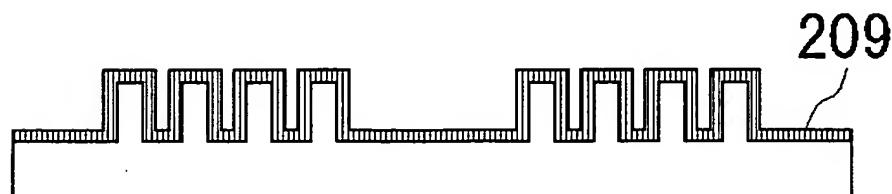
27 / 87

Fig.27

(d)



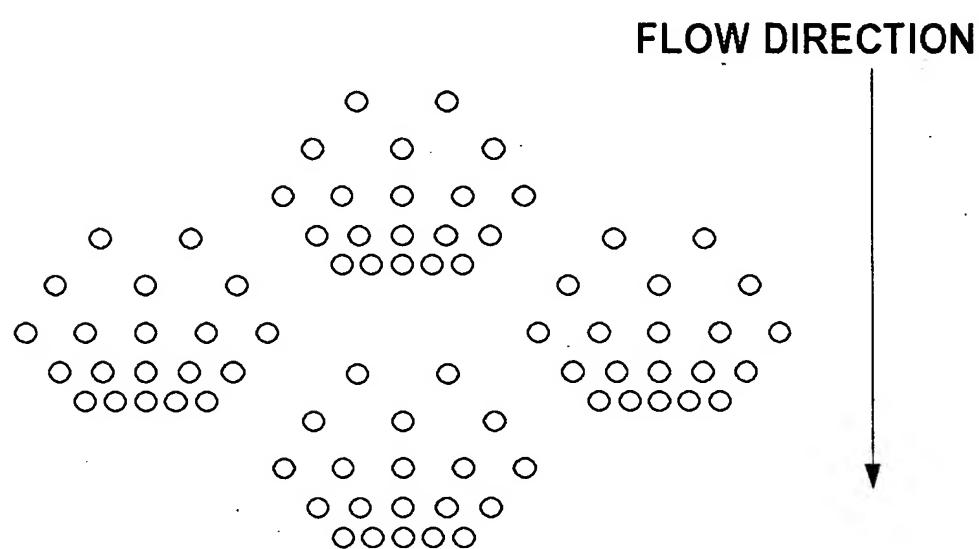
(e)



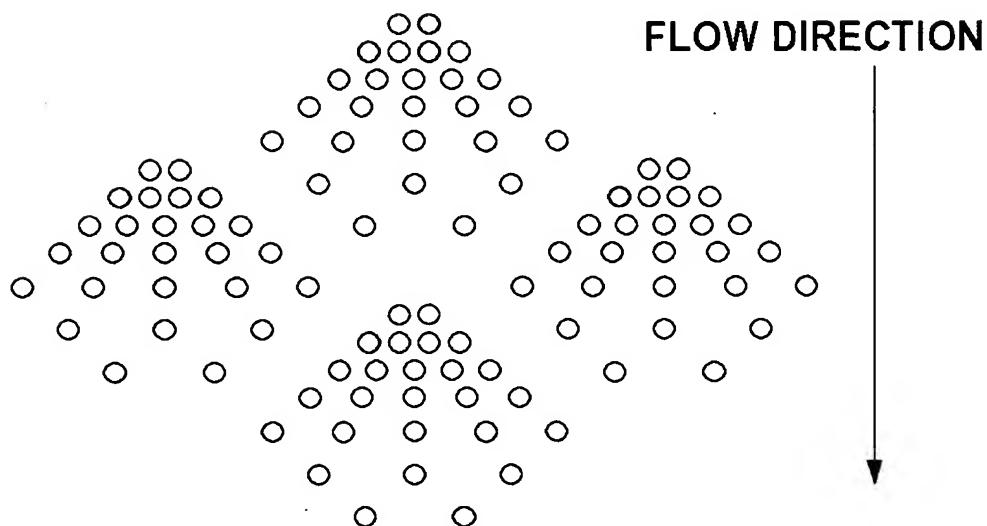
28 / 87

Fig.28

(a)

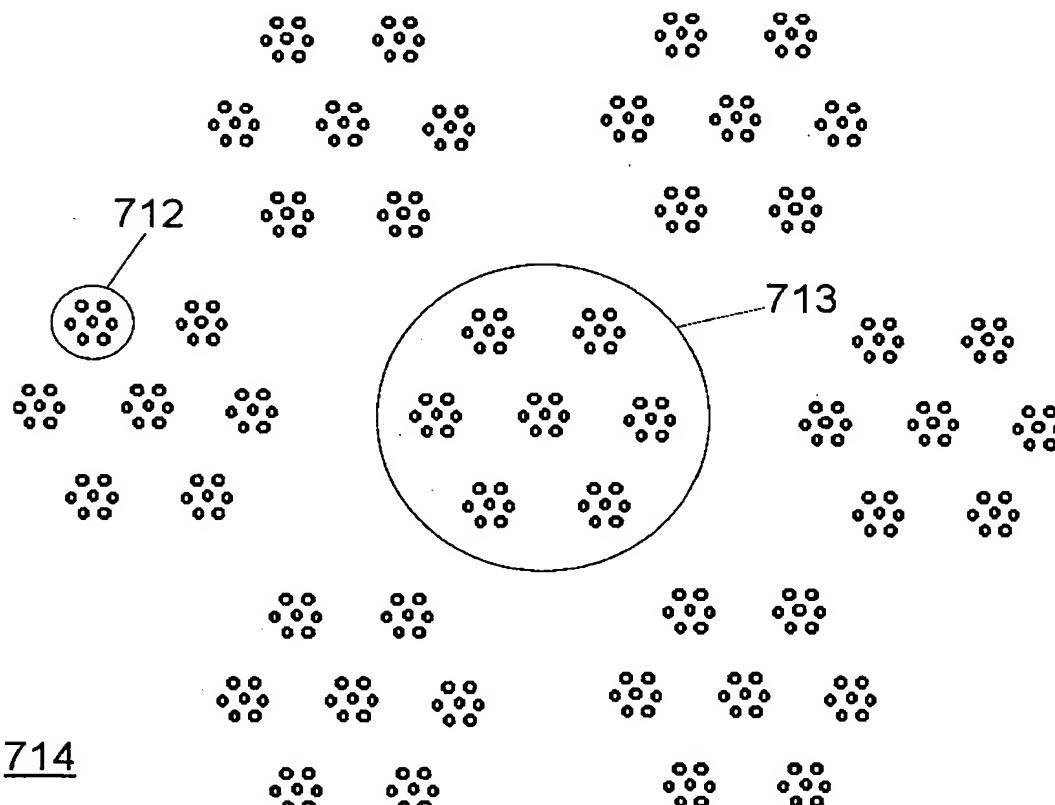


(b)



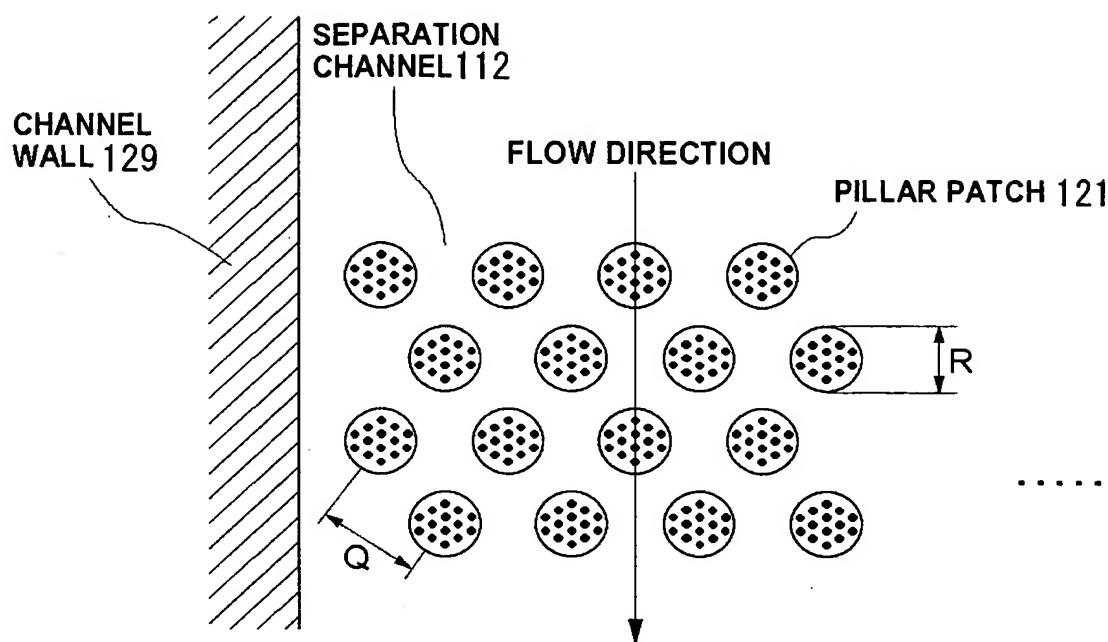
29 / 87

Fig.29



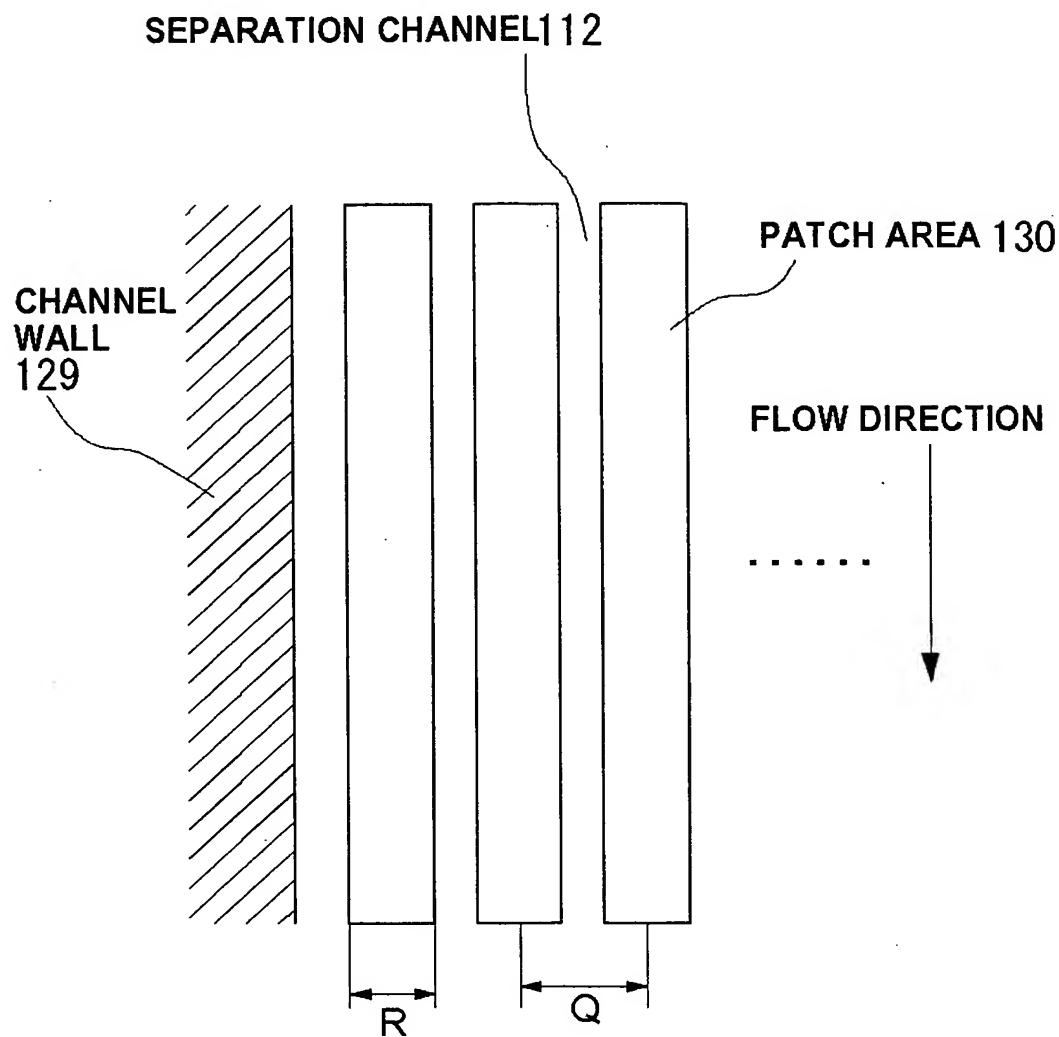
30 / 87

Fig.30



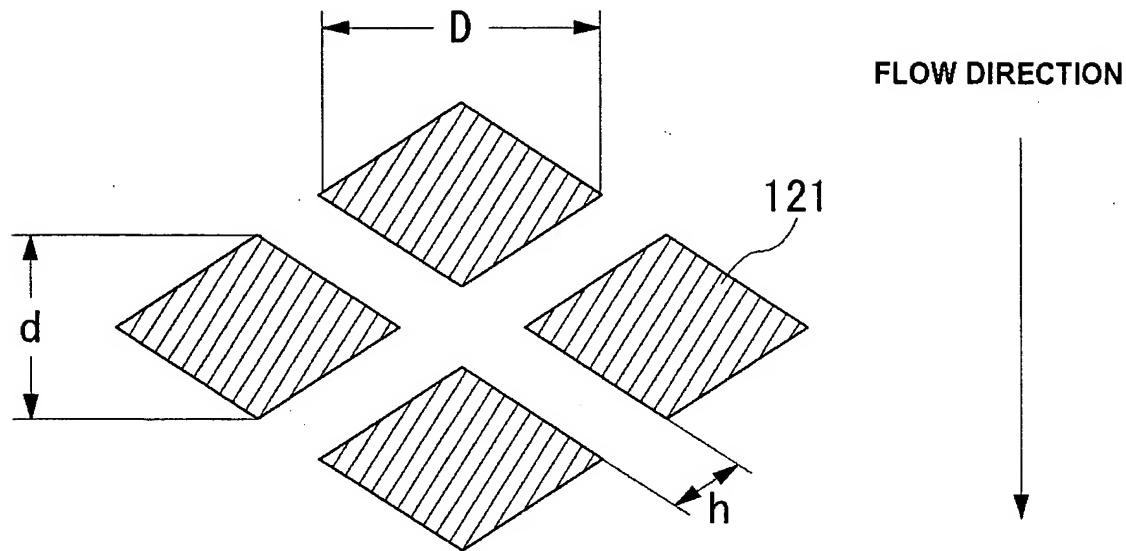
31 / 87

Fig.31



32 / 87

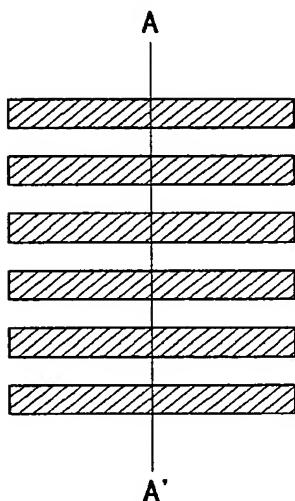
Fig.32



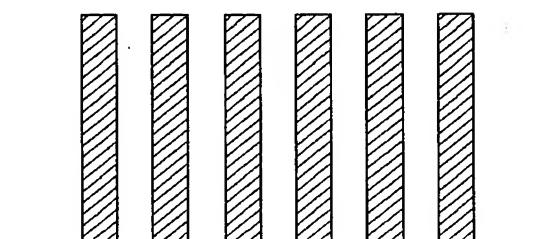
33 / 87

Fig.33

(a)



(b)



(c)

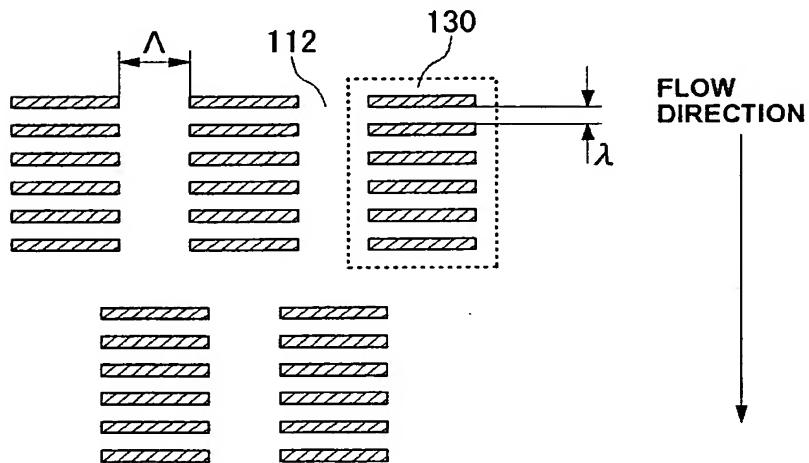
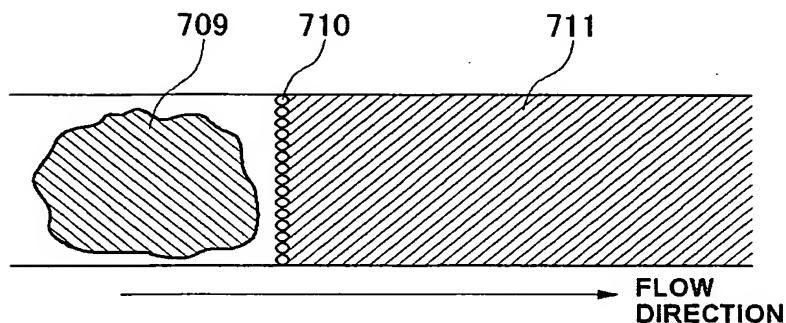
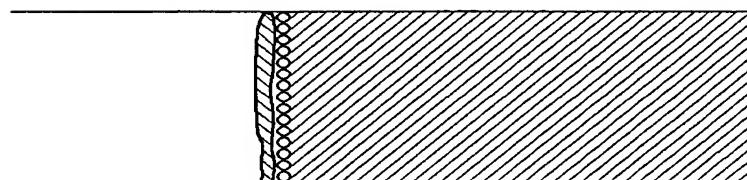


Fig.34

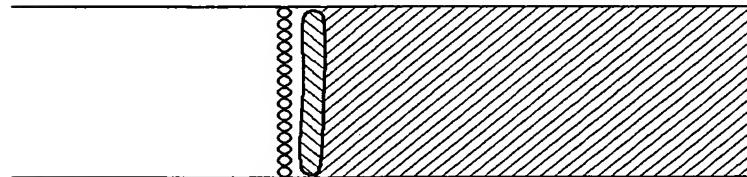
(a)



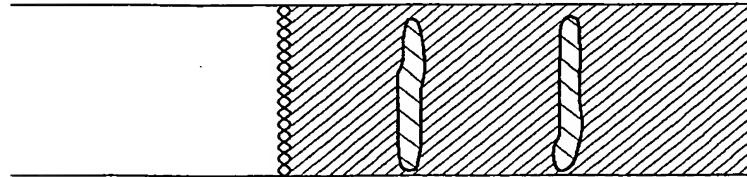
(b)



(c)



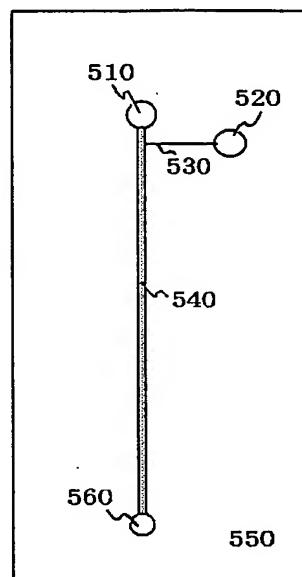
(d)



10/549587

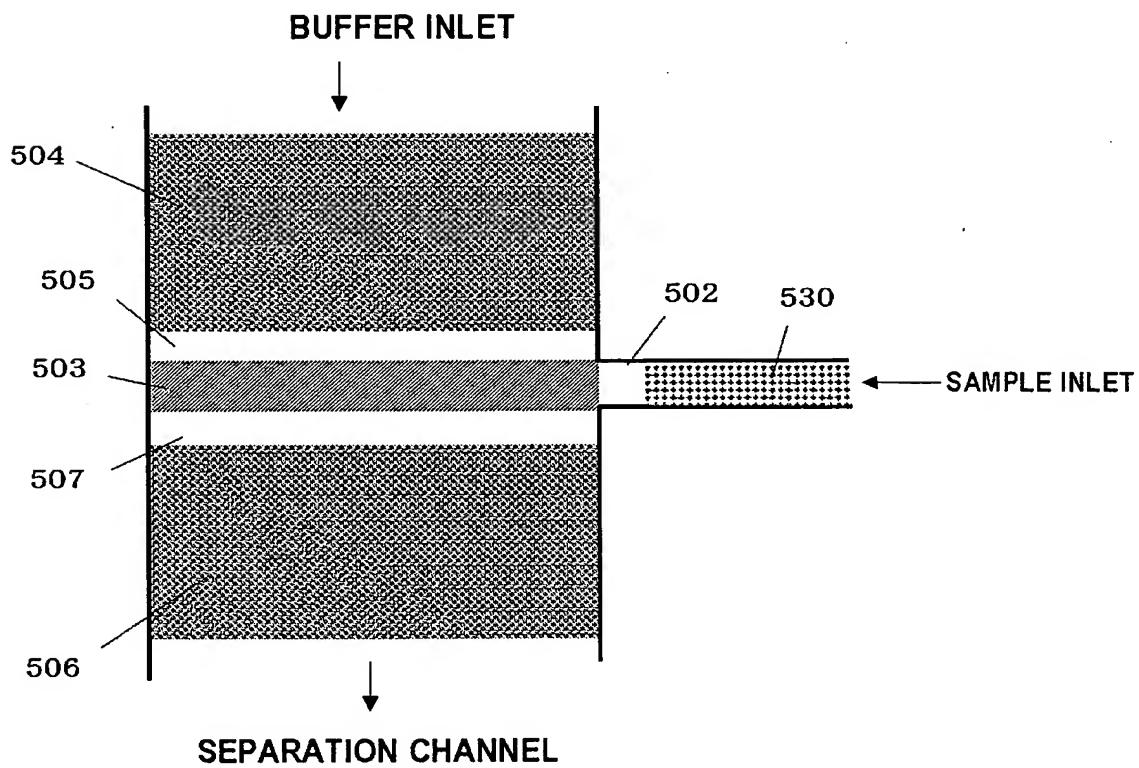
35 / 87

Fig.35



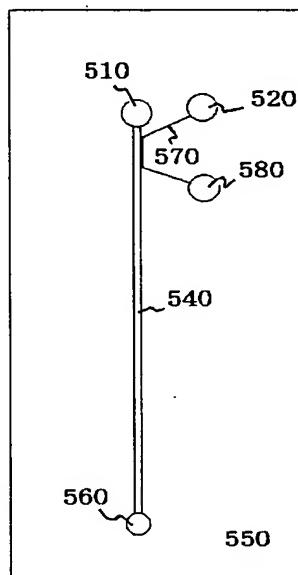
36 / 87

Fig.36



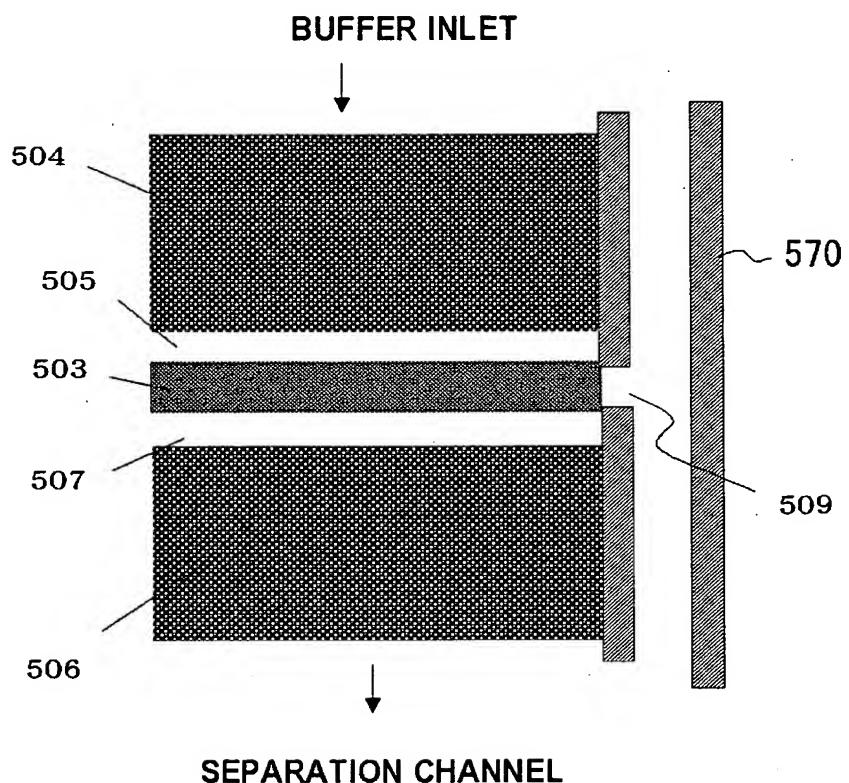
37 / 87

Fig.37



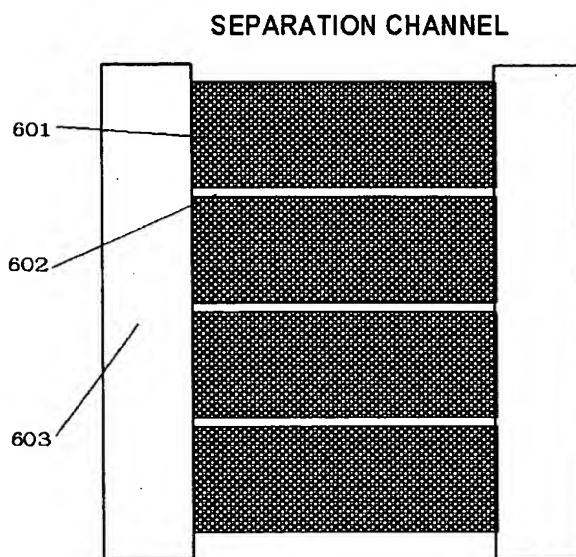
38 / 87

Fig.38



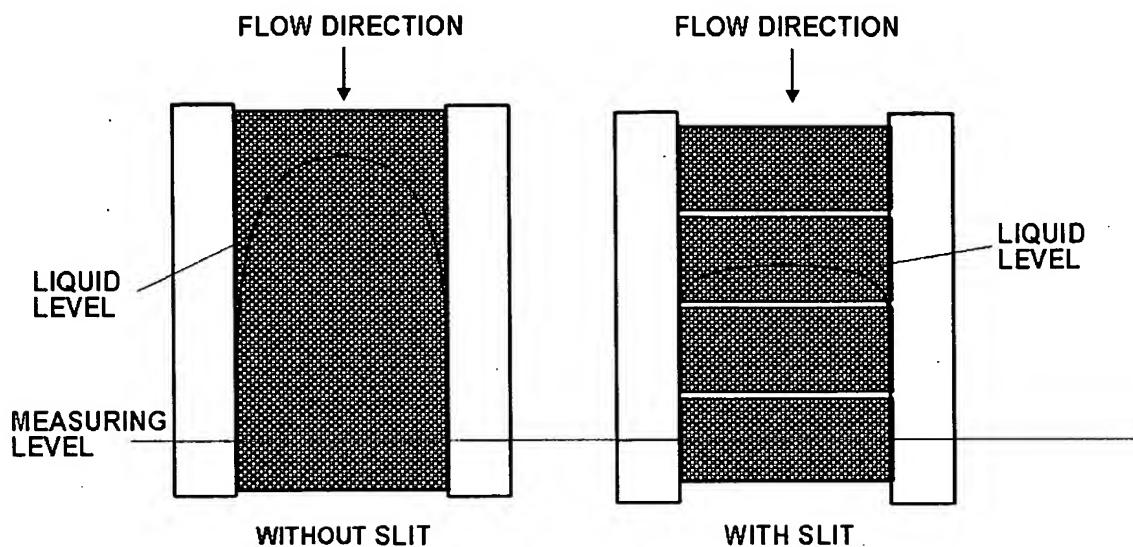
39 / 87

Fig.39



40 / 87

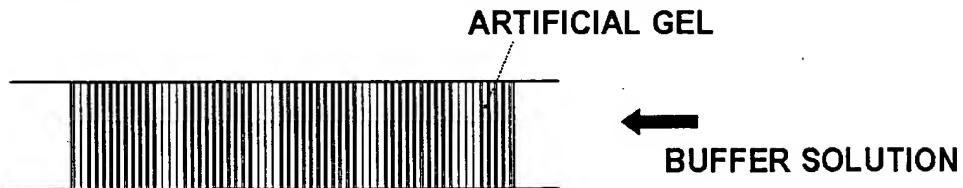
Fig.40



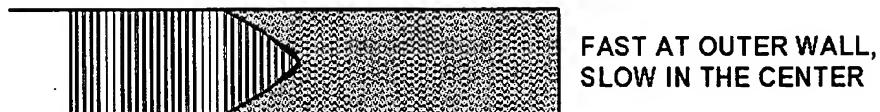
41 / 87

Fig.41

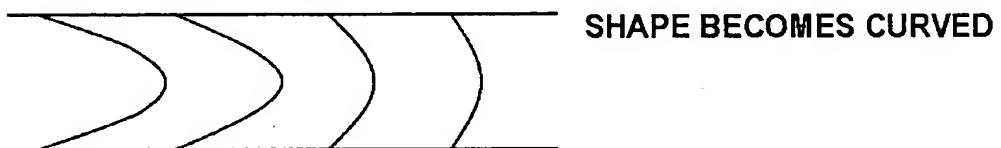
CHANNEL STRUCTURE (EVENLY ARRANGED CASE)



WATER FLOW IN CHANNEL



BAND STATUS



42 / 87

Fig.42

CHANNEL STRUCTURE  
(CASE WHERE COARSE AREA IS INSERTED THEREBETWEEN)

DENSE AREA:

DISTANCE BETWEEN PILLARS IS NARROW



WATER FLOW IN CHANNEL

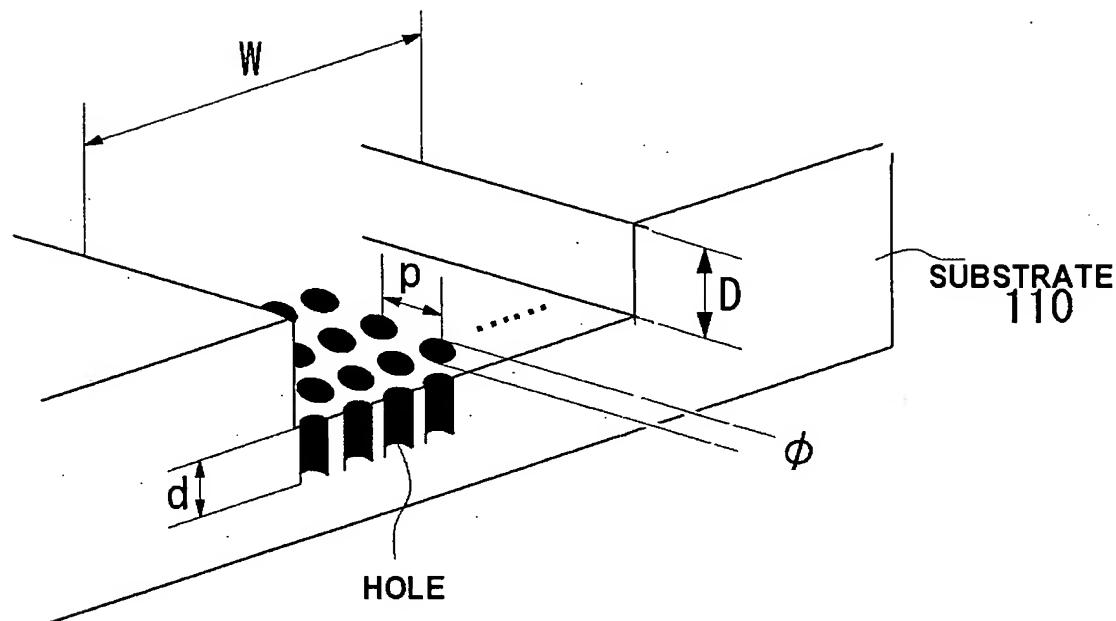
FAST AT OUTER WALL,  
SLOW IN THE CENTER

WATER FLOW IS  
TEMPORARILY STOPPED  
IN COARSE PILLAR AREA

BAND STATUS

SHAPE BECOMES STRAIGHT

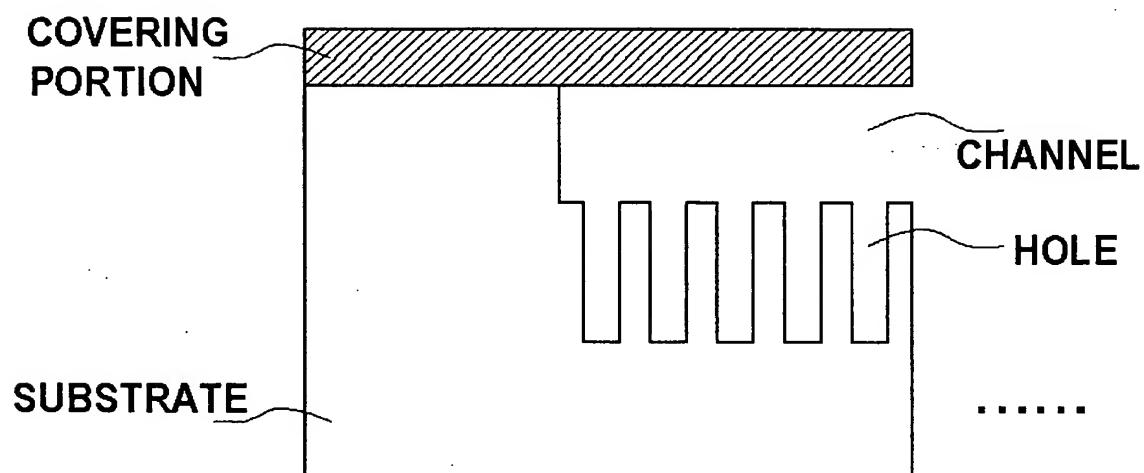
Fig.43



	IN THE CASE OF SMALL-SIZE PARTICLE	IN THE CASE OF LARGE-SIZE PARTICLE
W	10 ~ 2000 $\mu$ m	
D	100nm OR LESS	3 $\mu$ m OR LESS
$\phi$	50nm OR LESS	300nm OR LESS
d	100nm OR LESS	3 $\mu$ m OR LESS
p	50nm OR LESS	300nm OR LESS

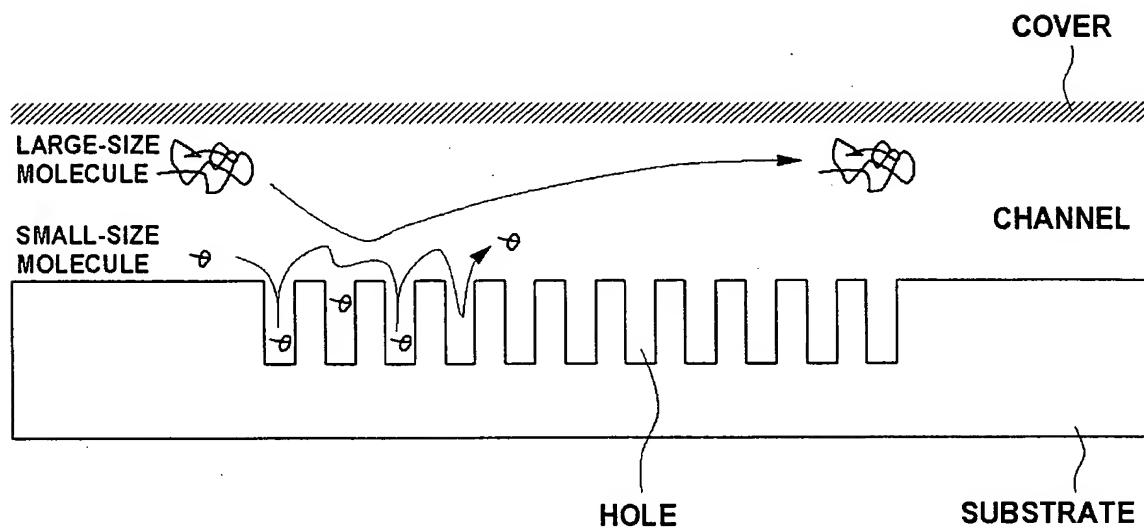
44 / 87

Fig.44



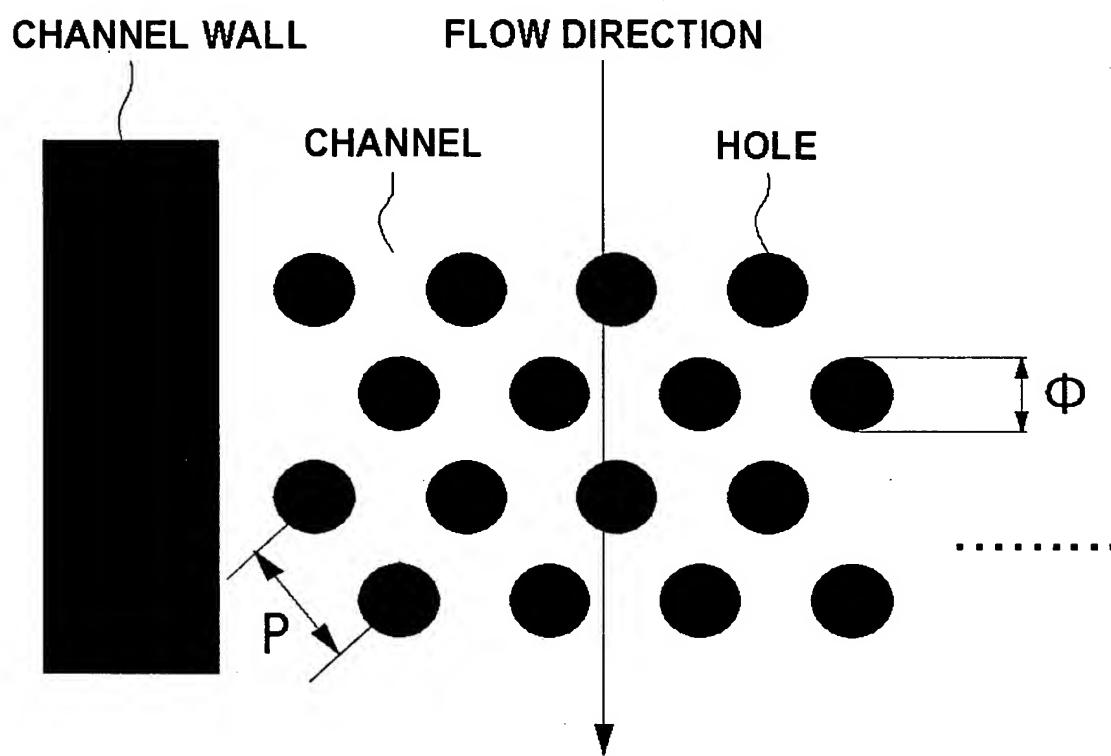
45 / 87

Fig.45



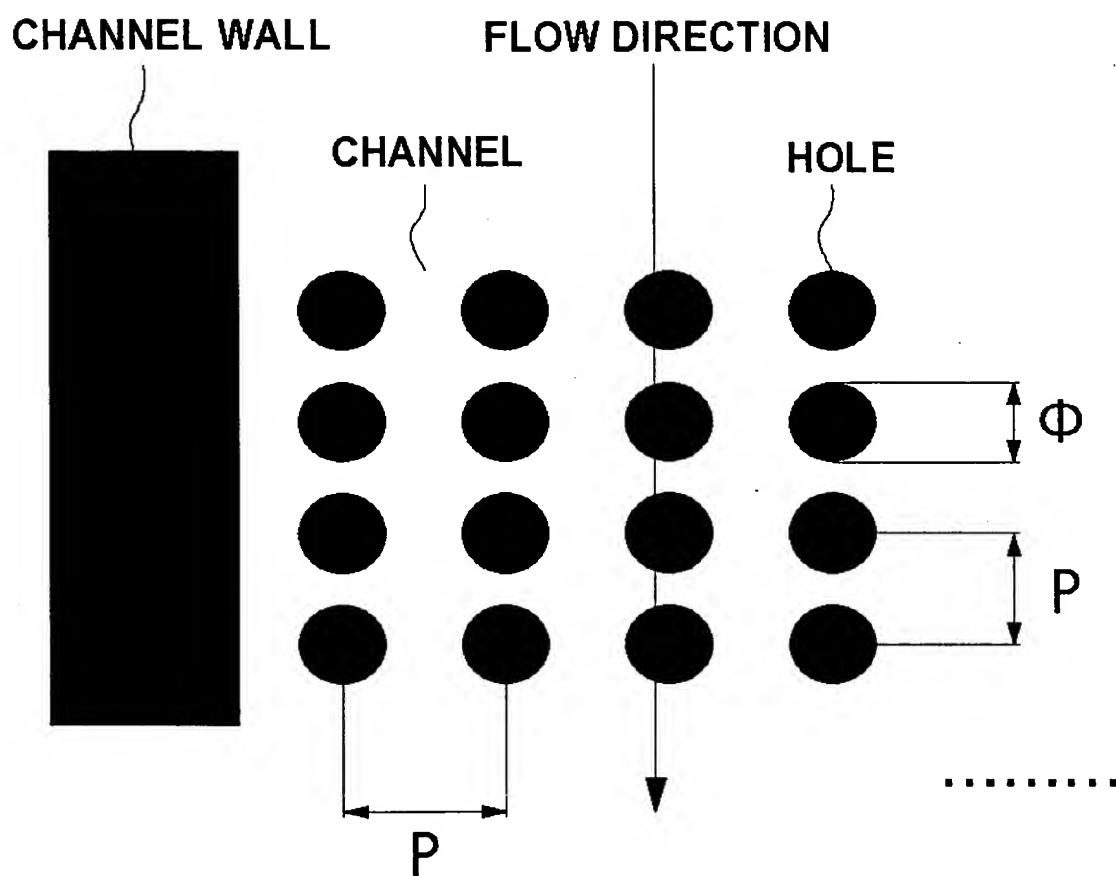
46 / 87

Fig.46



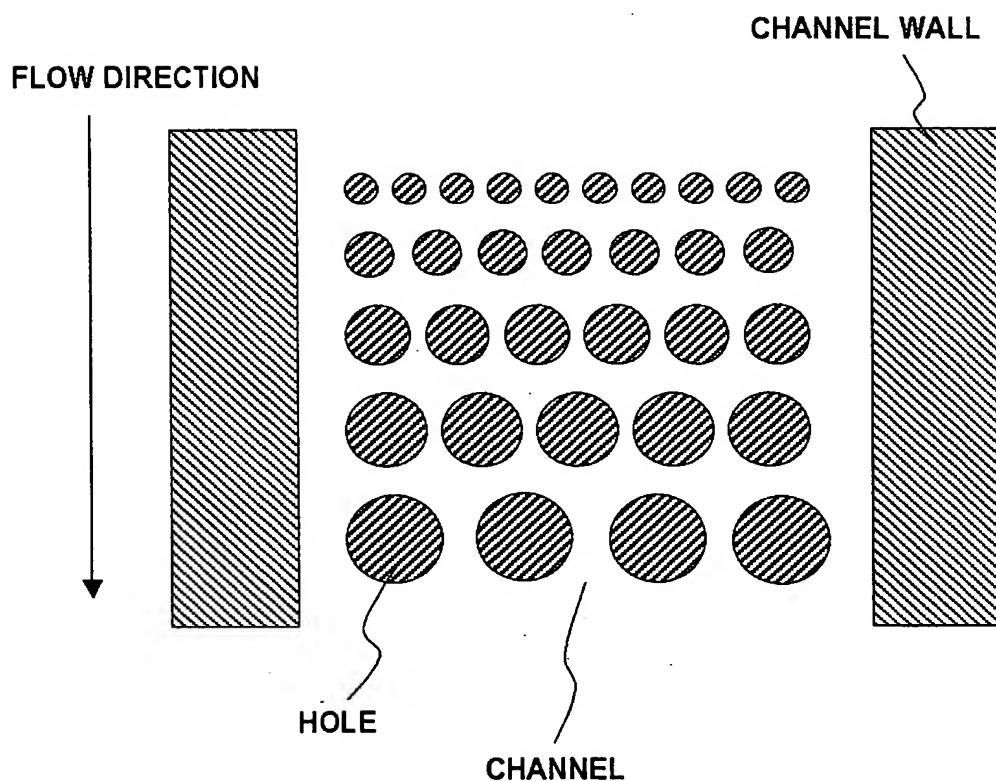
47 / 87

Fig.47



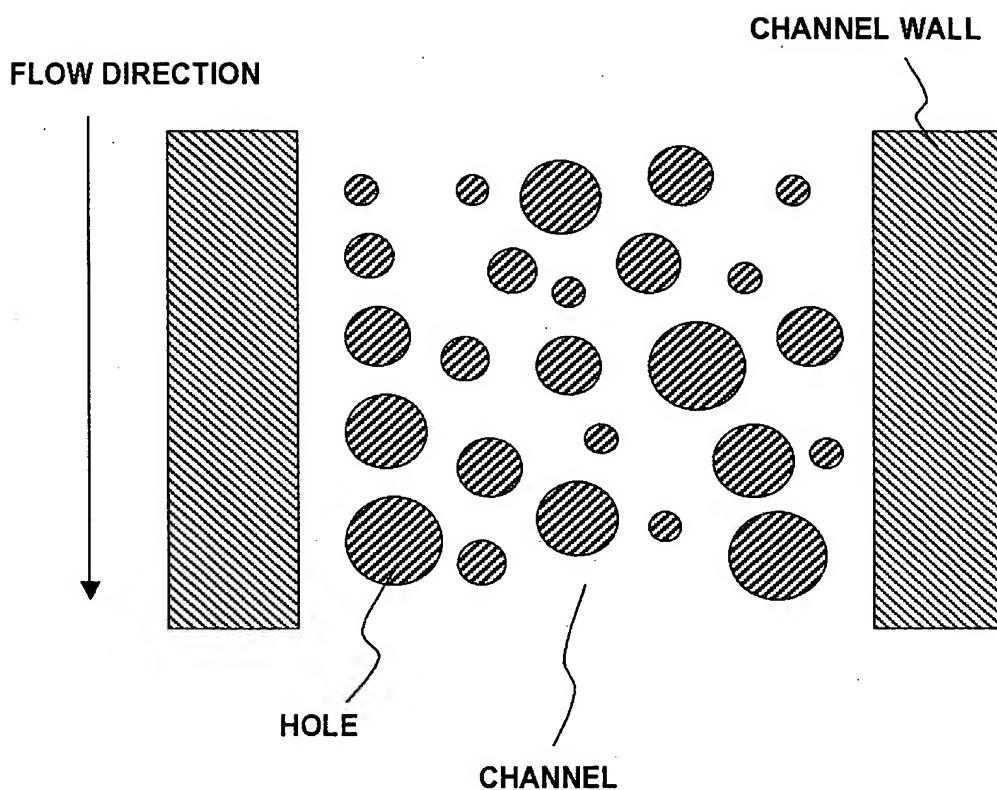
48 / 87

Fig.48



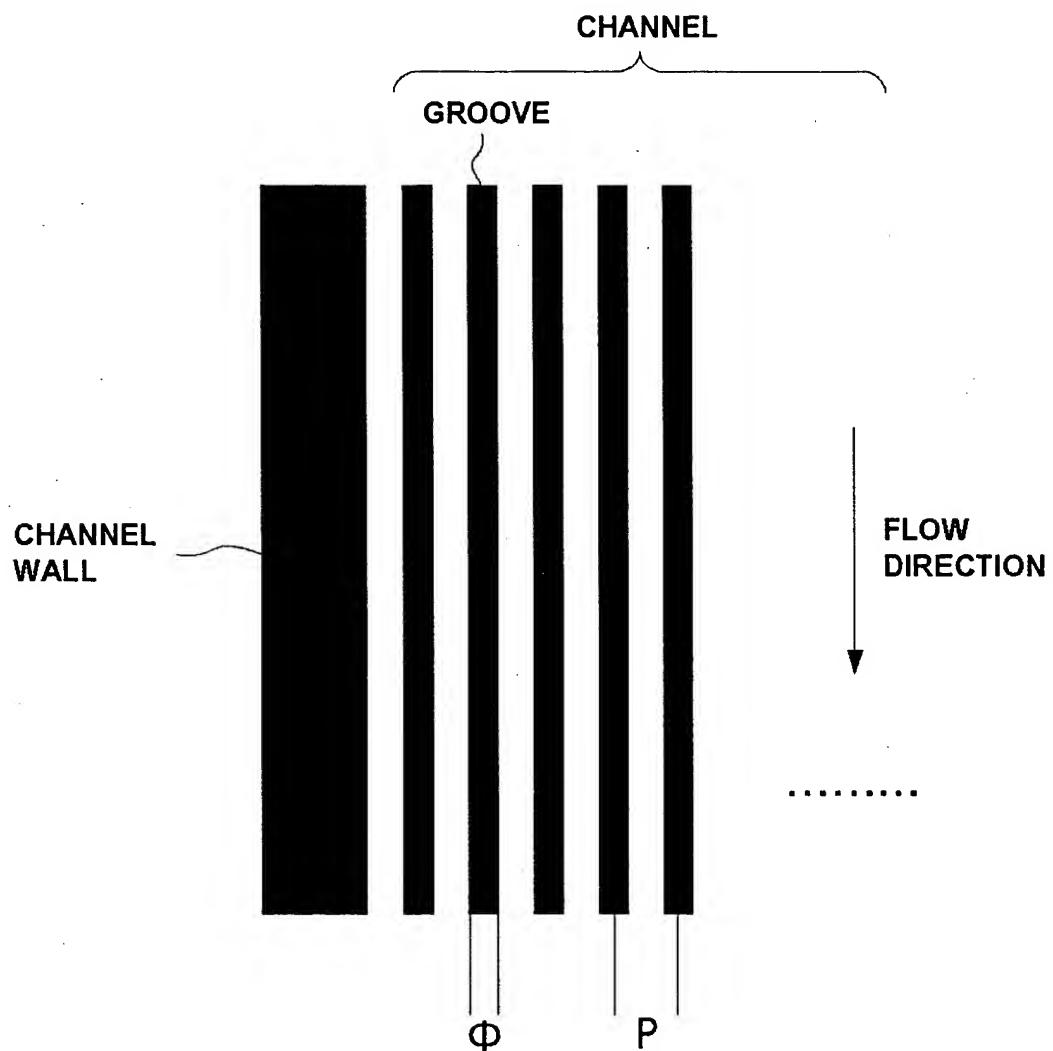
49 / 87

Fig.49



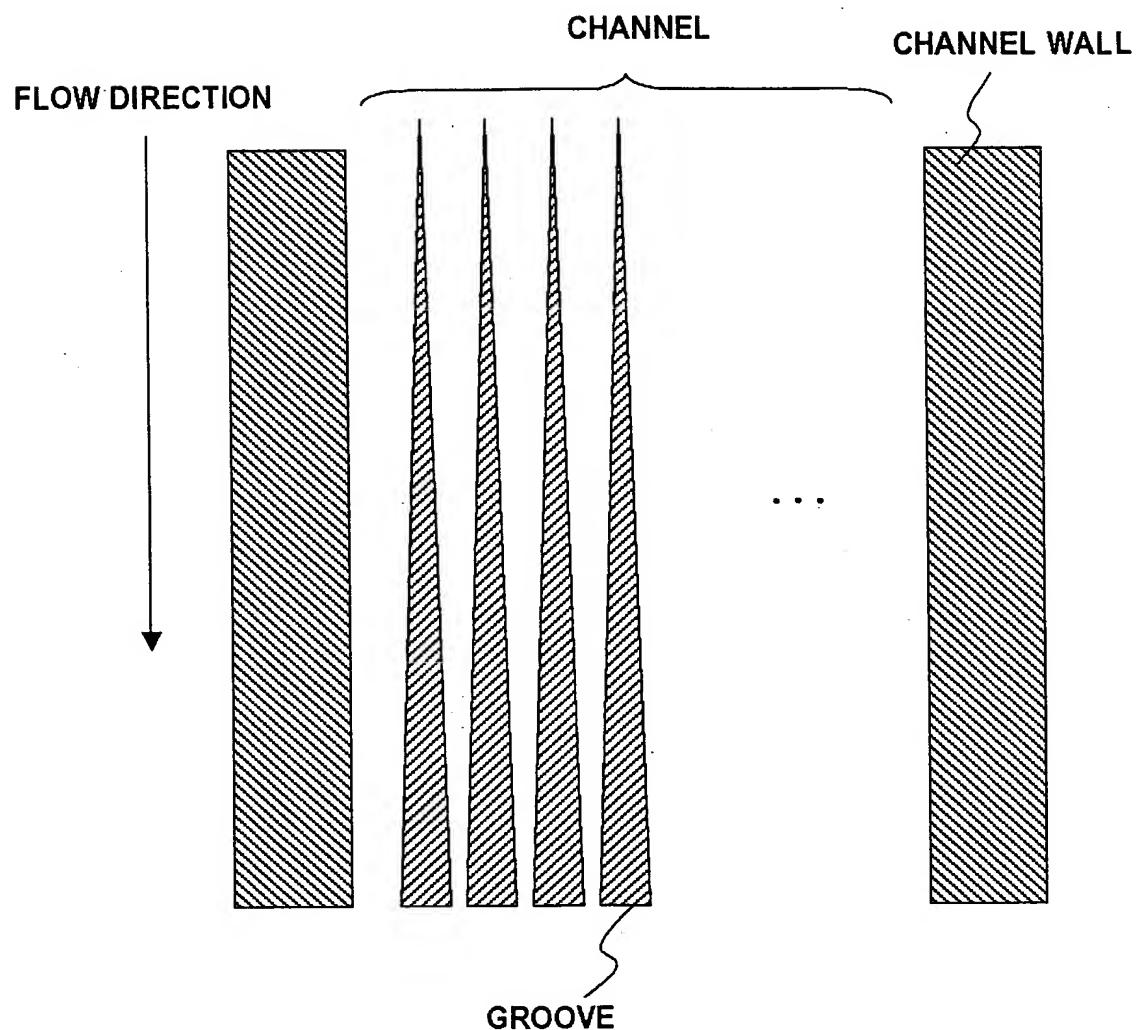
50 / 87

Fig.50



51 / 87

Fig.51



52 / 87

Fig.52

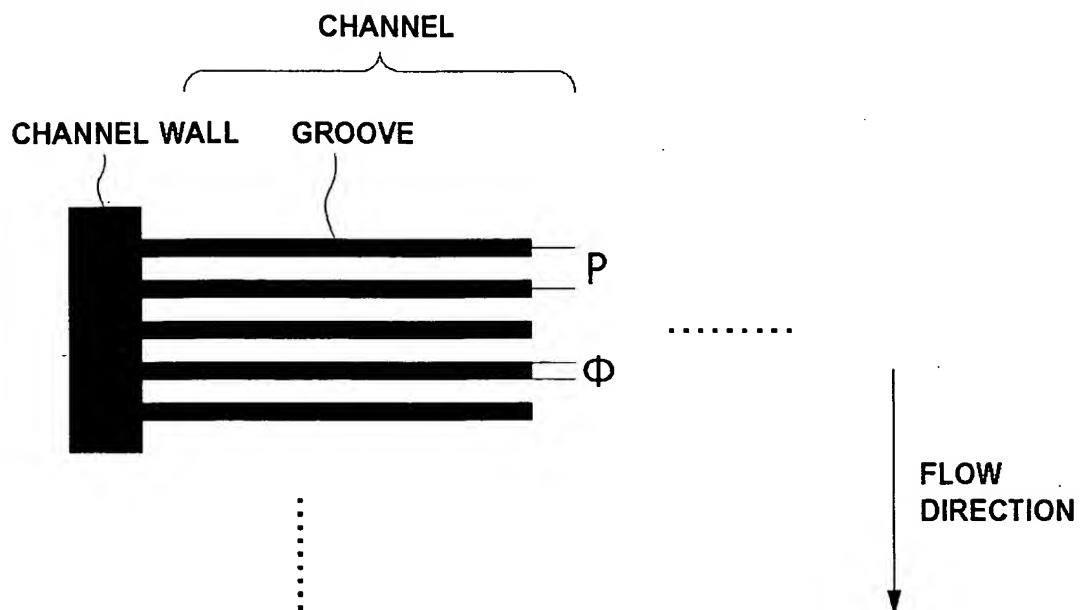
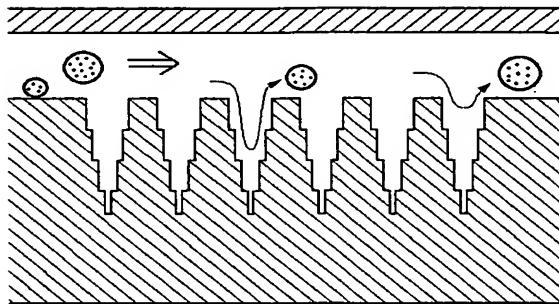
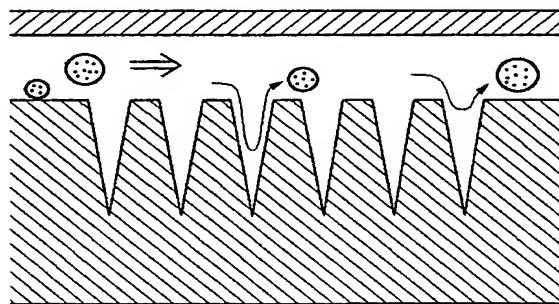


Fig.53

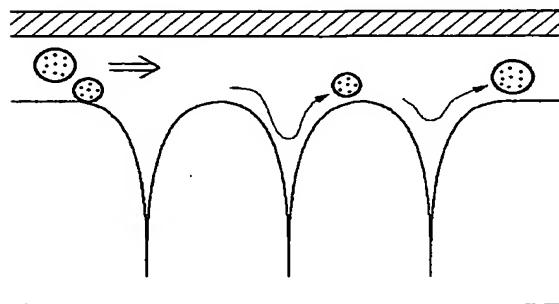
(a)



(b)



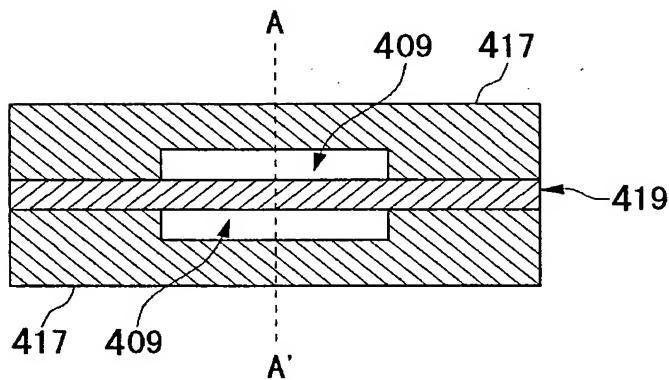
(c)



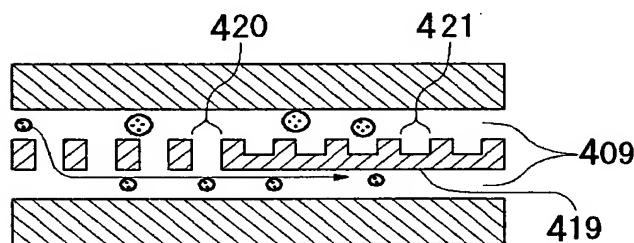
54 / 87

Fig.54

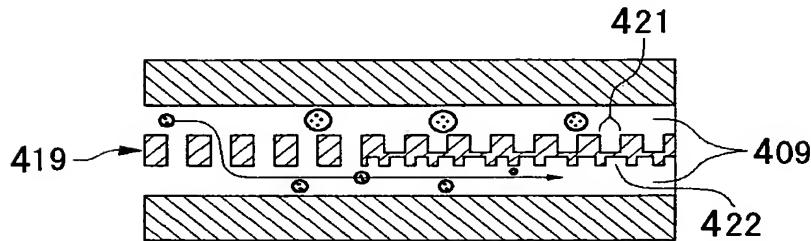
(a)



(b)



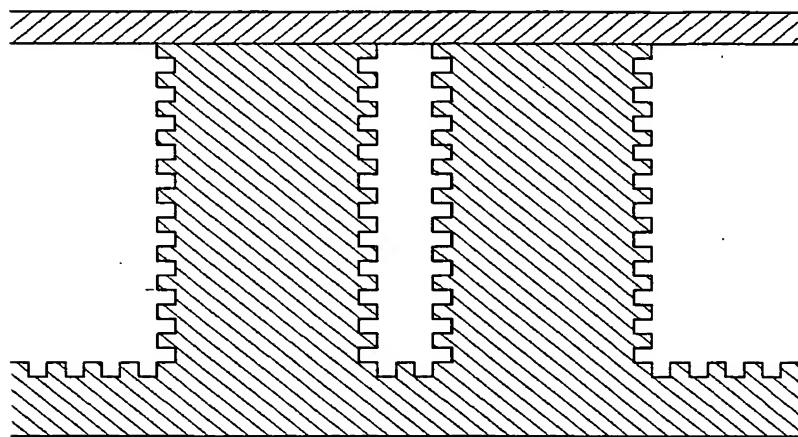
(c)



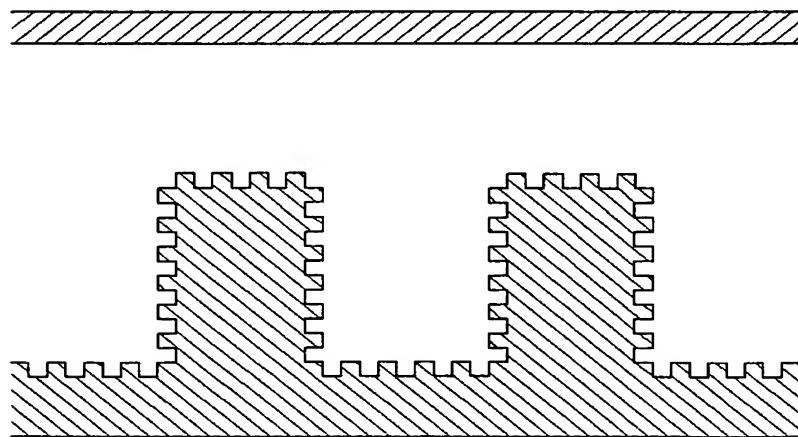
55 / 87

Fig.55

(a)



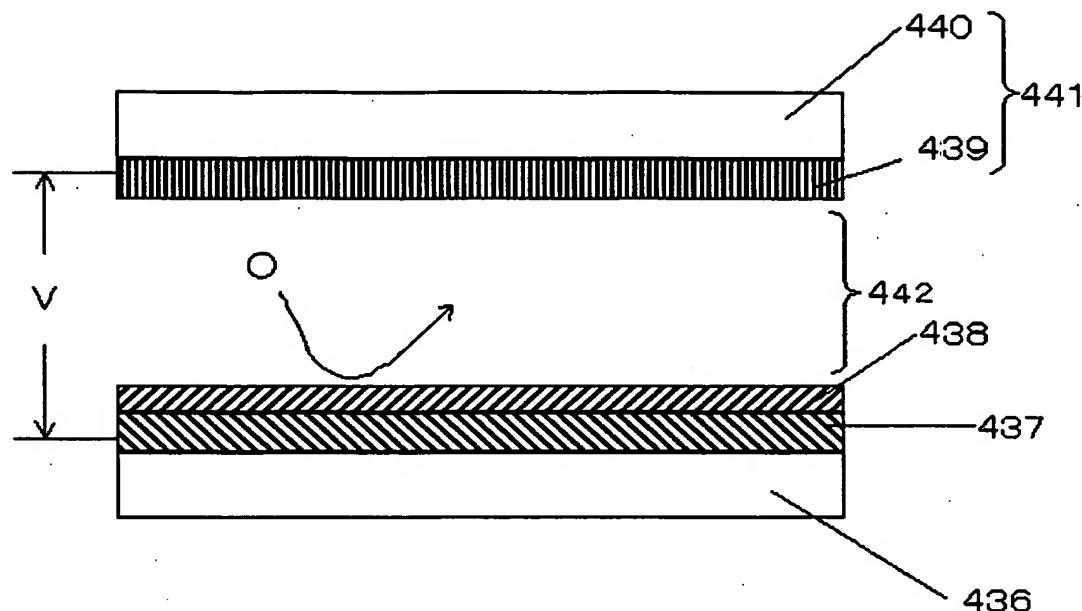
(b)



10/549587

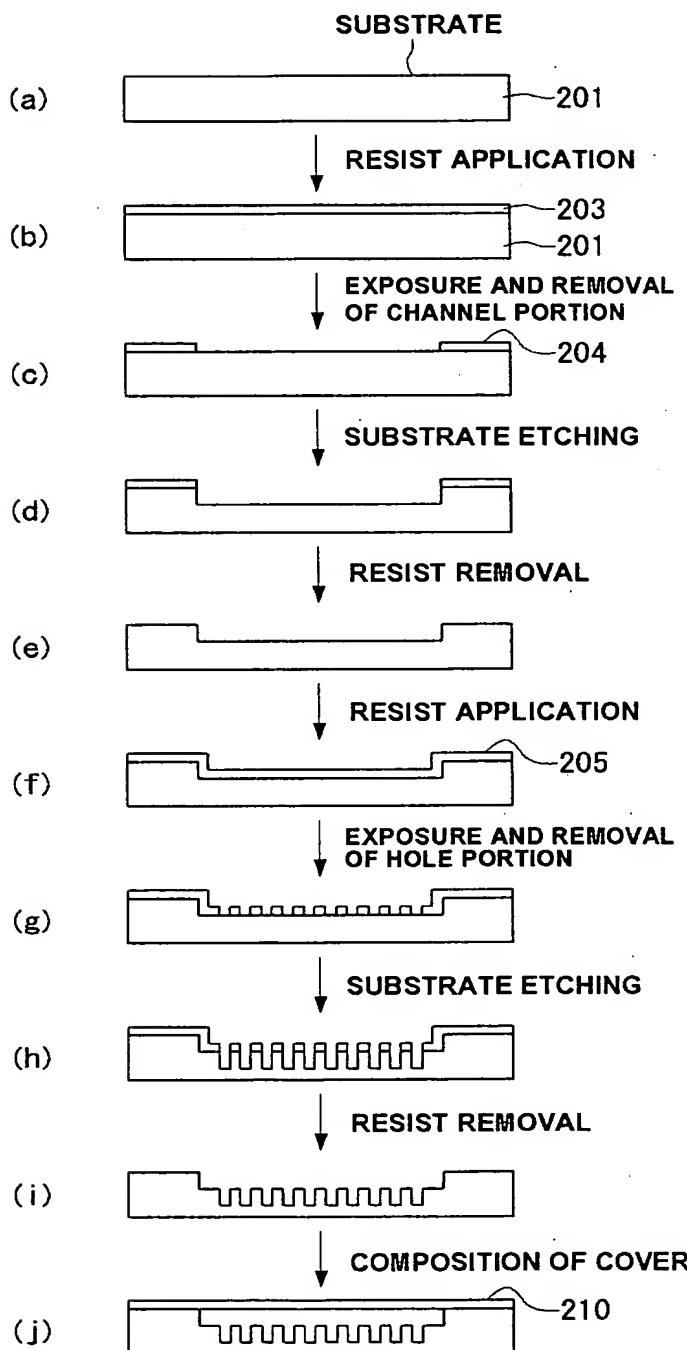
56 / 87

Fig.56



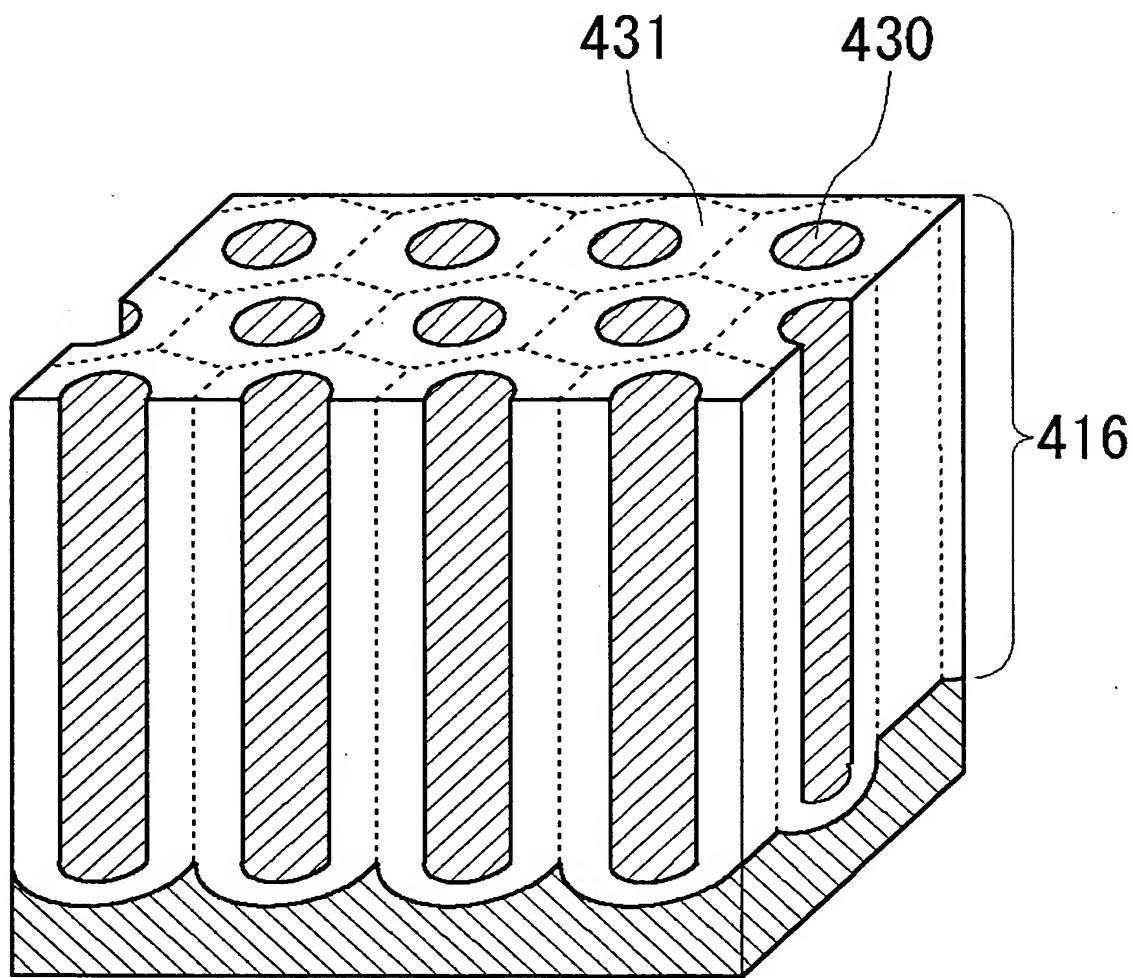
57 / 87

Fig.57



58 / 87

Fig.58



MASS SPECTROMETRY SYSTEM AND METHOD FOR ANALYSIS

Katsutoshi Takahashi, et al

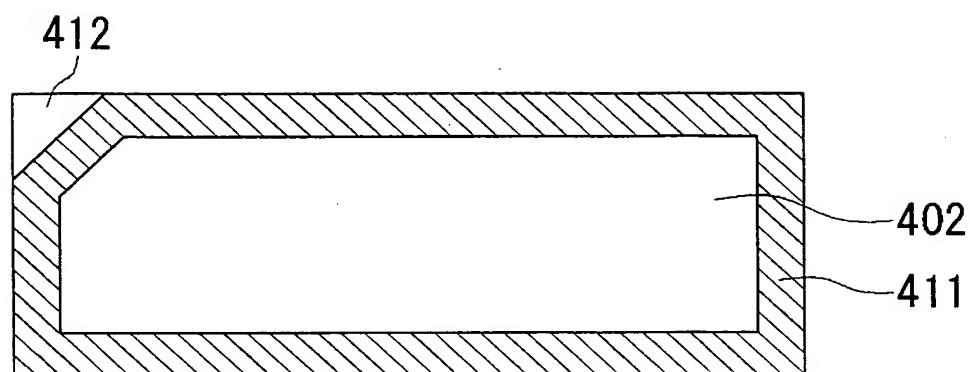
19162

Sheet 59 of 87

201549587

59 / 87

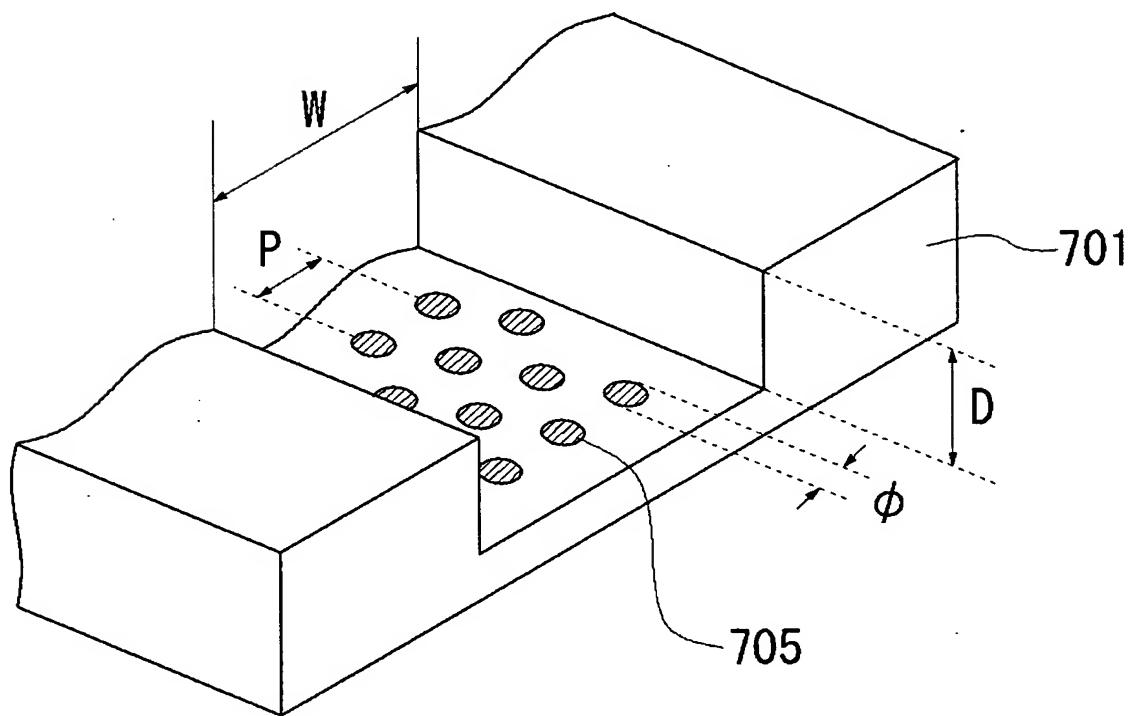
Fig.59



10 / 549587

60 / 87

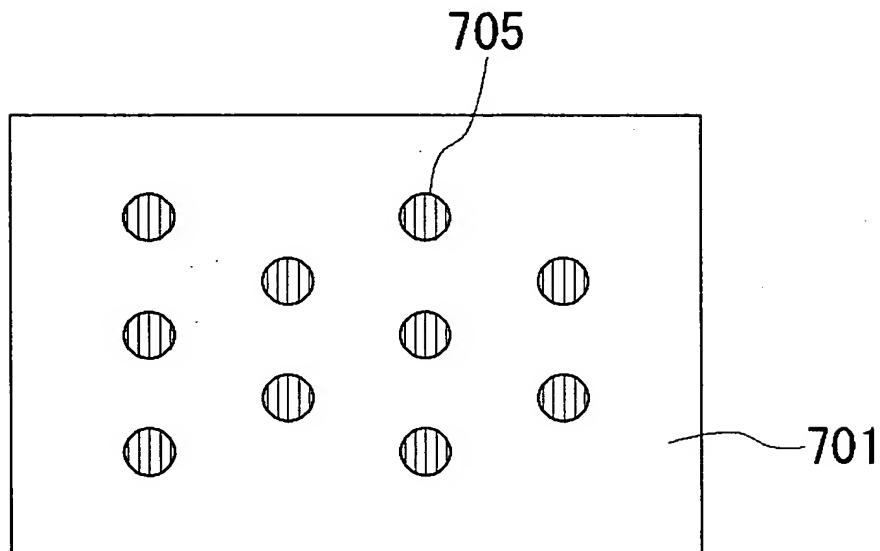
Fig.60



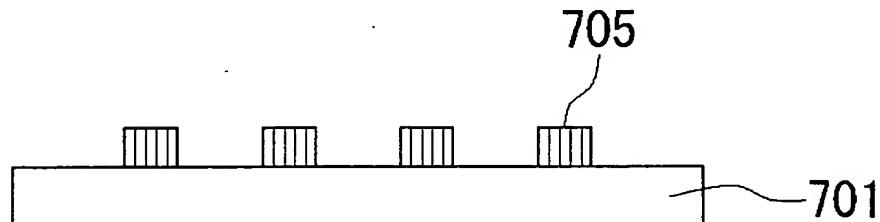
61 / 87

Fig.61

(a)

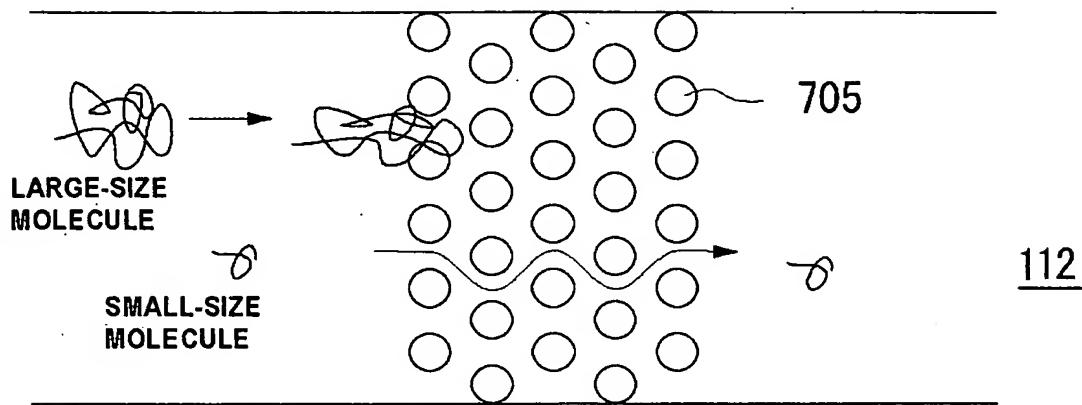


(b)



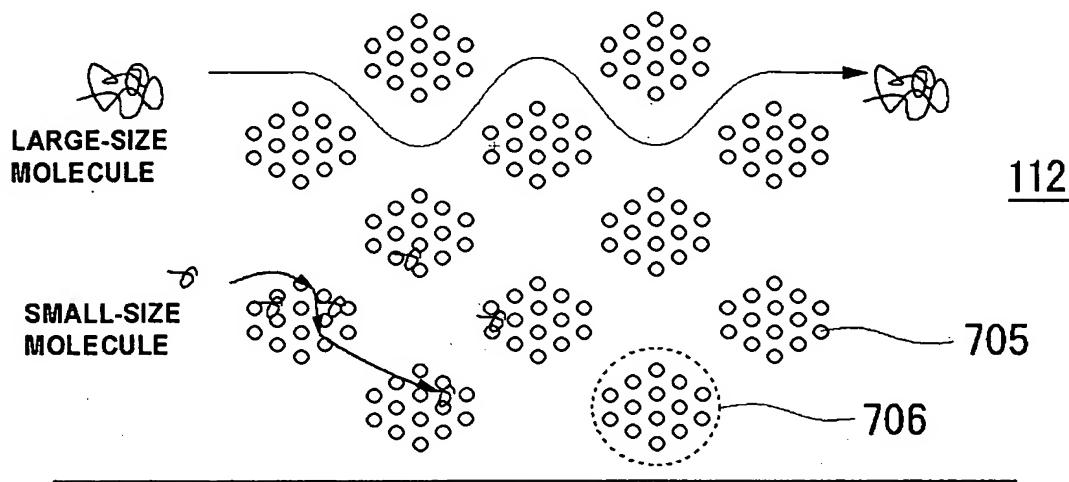
62 / 87

Fig.62



63 / 87

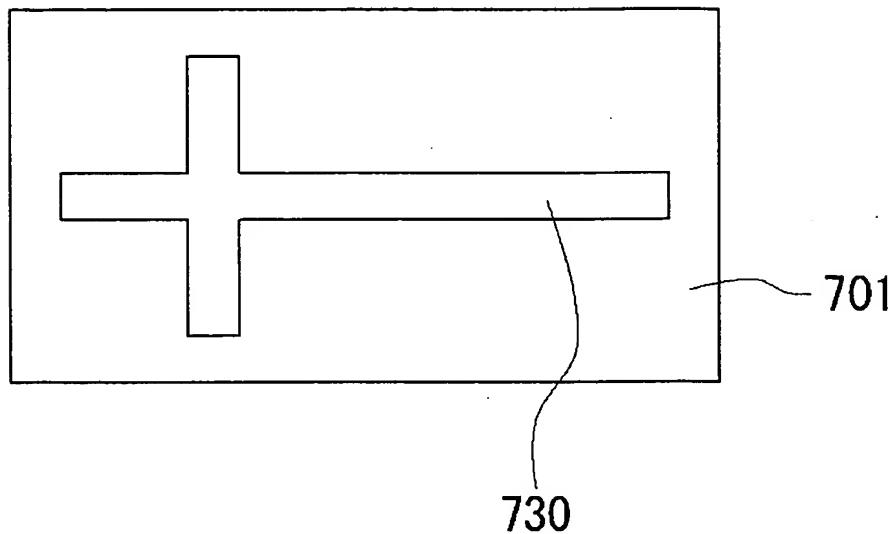
Fig.63



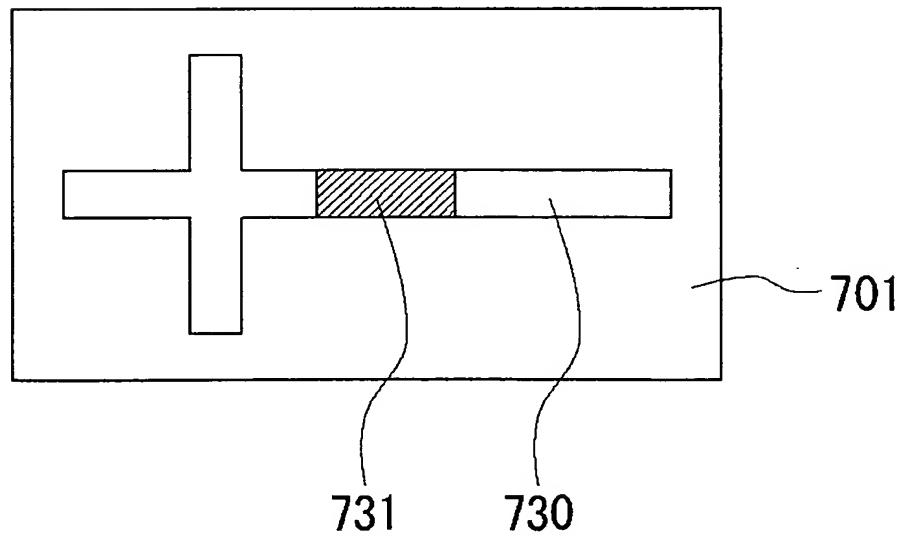
64 / 87

Fig.64

(a)

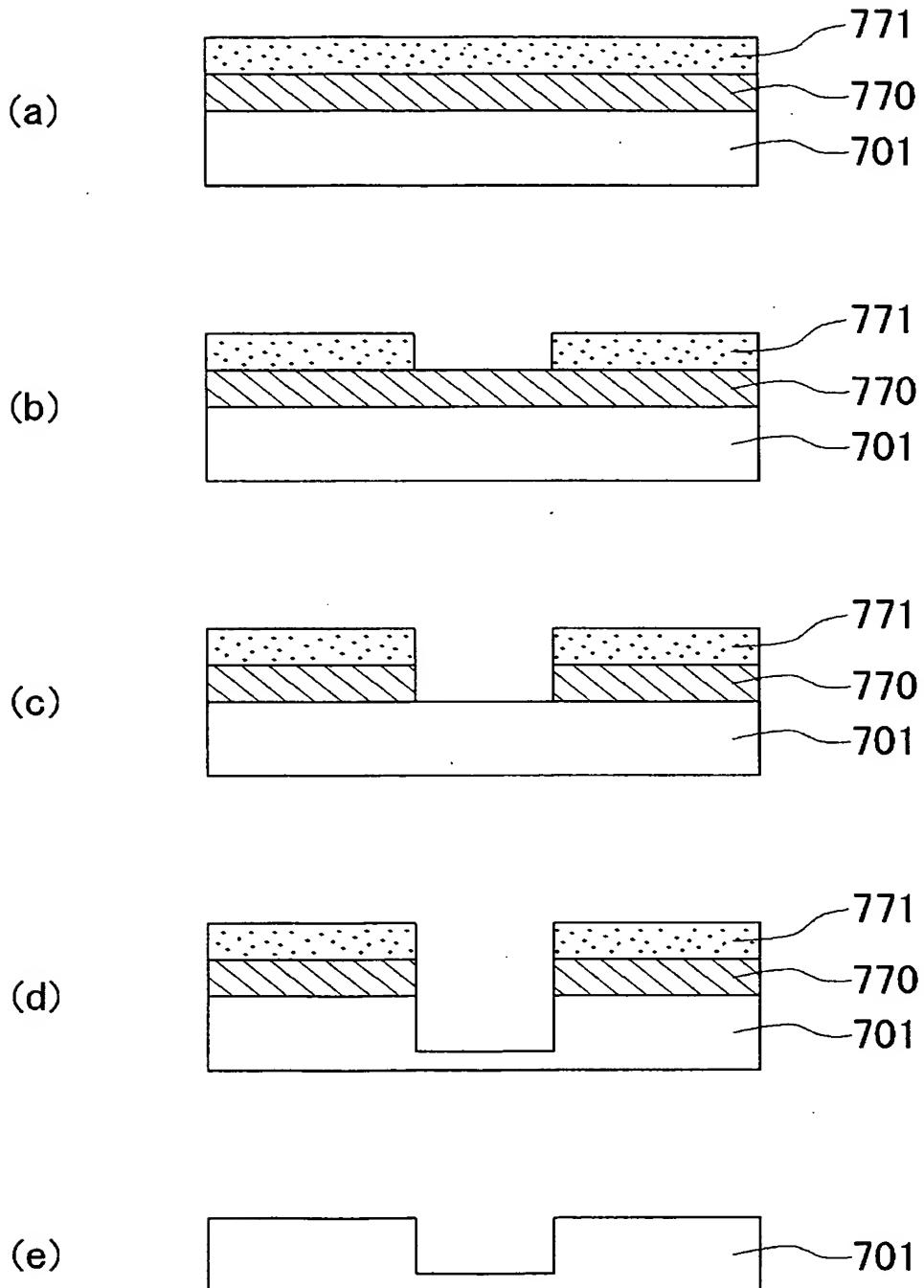


(b)



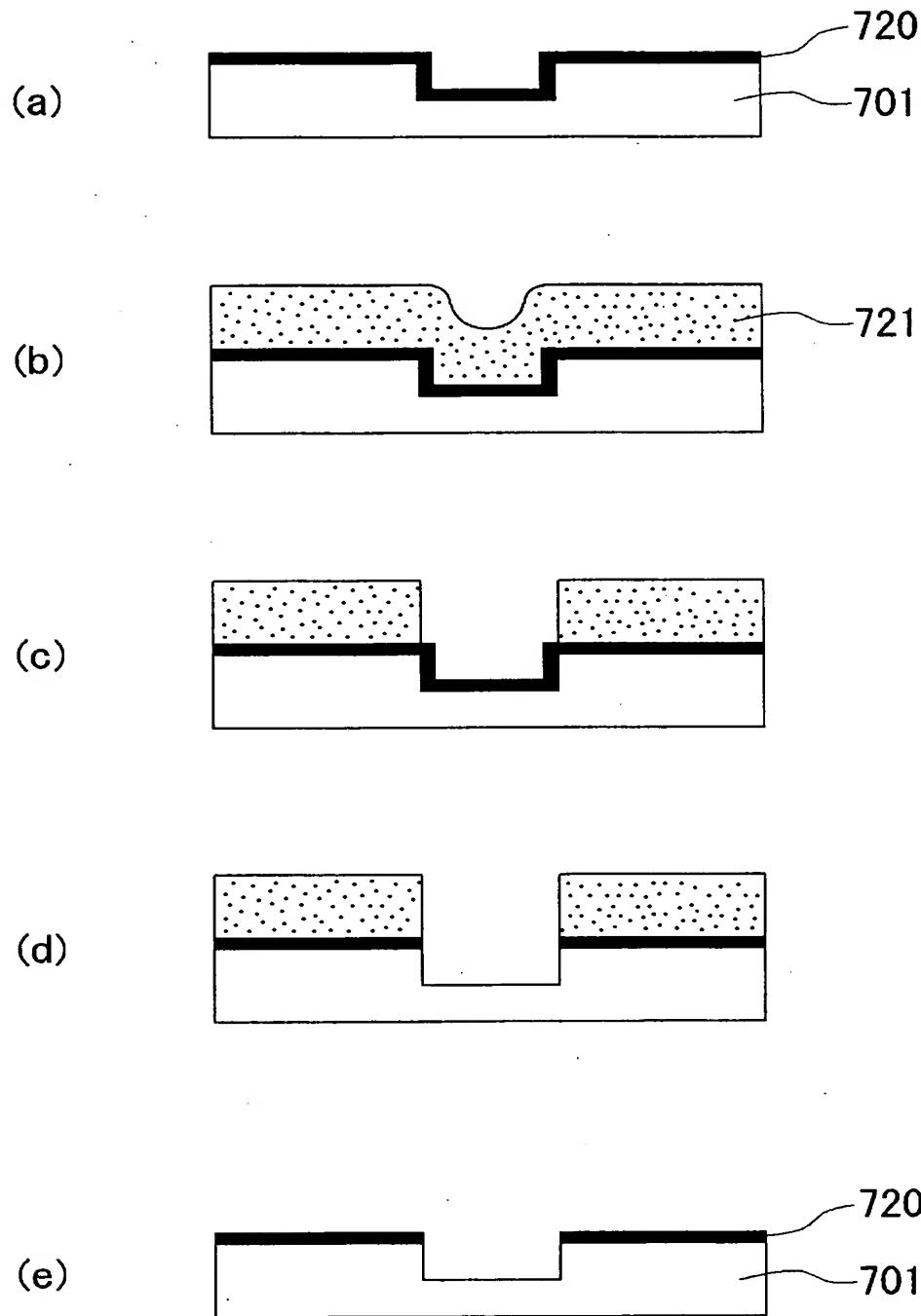
65 / 87

Fig.65



66 / 87

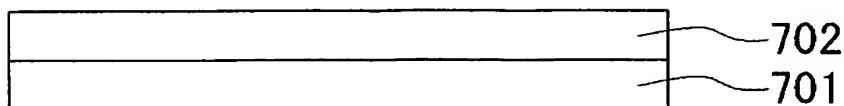
Fig.66



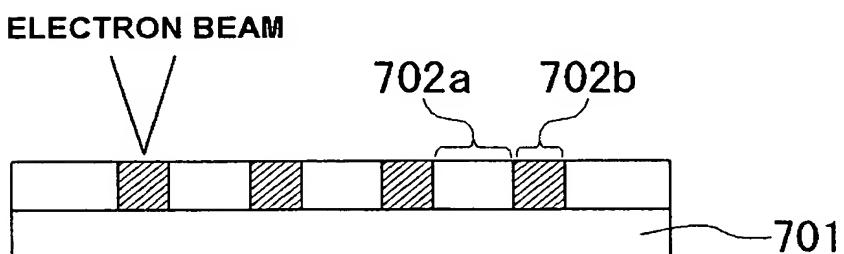
67 / 87

Fig.67

(a)



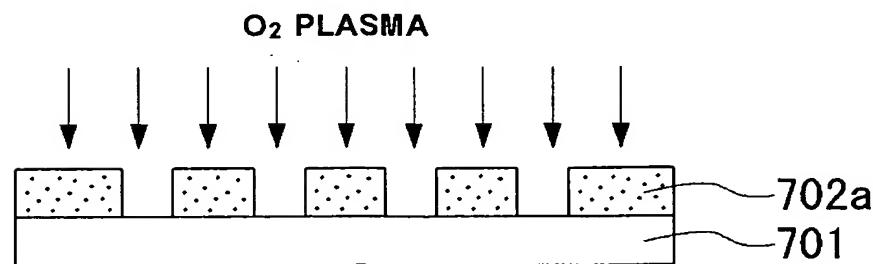
(b)



(c)

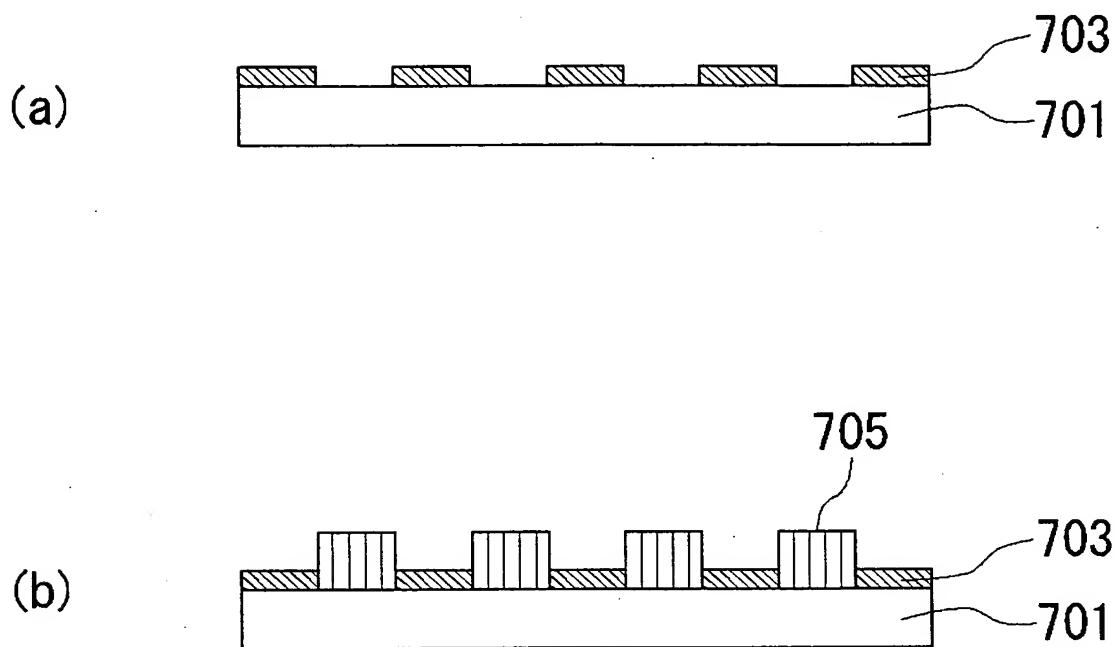


(d)



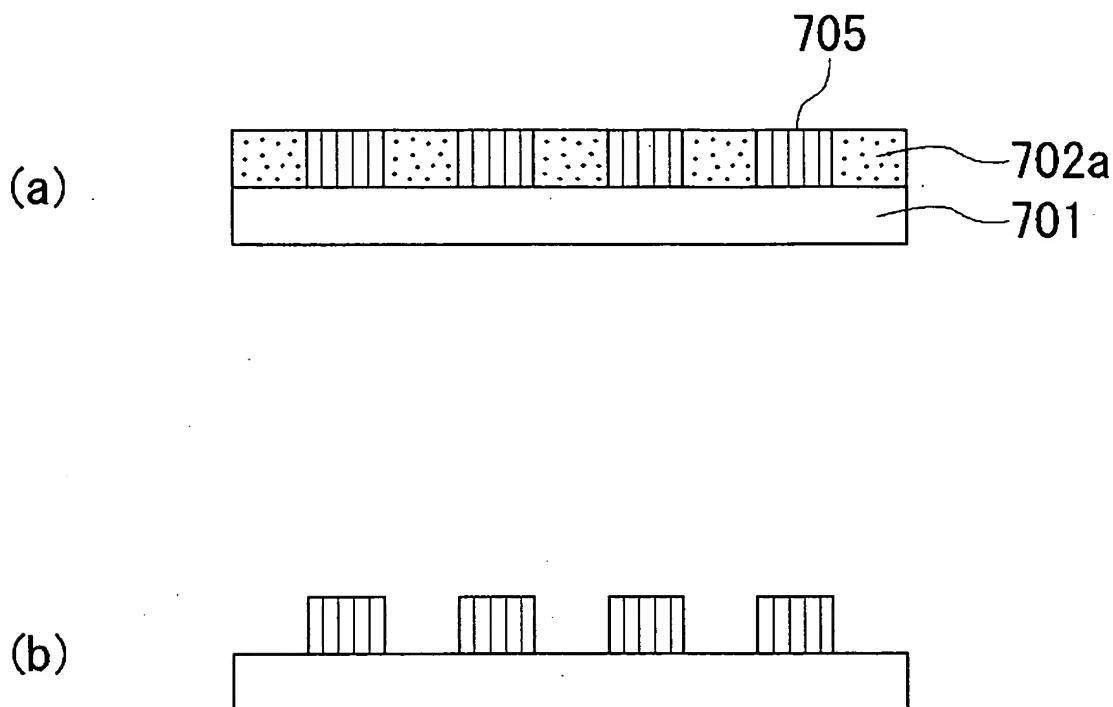
68 / 87

Fig.68



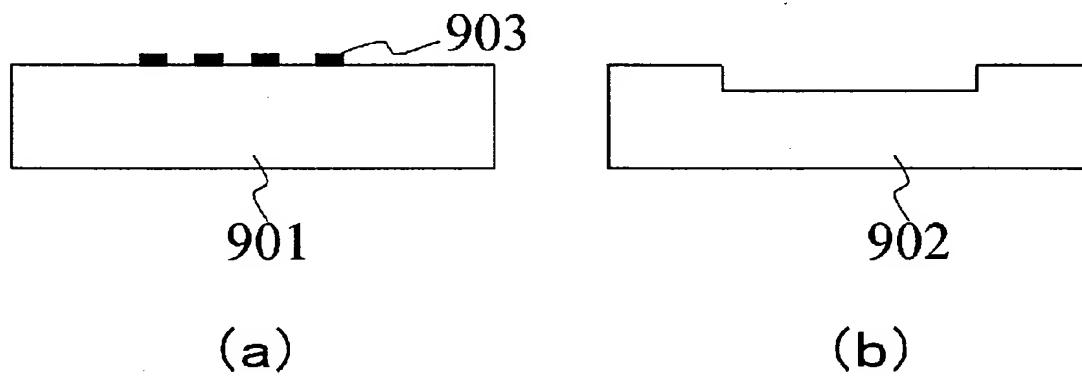
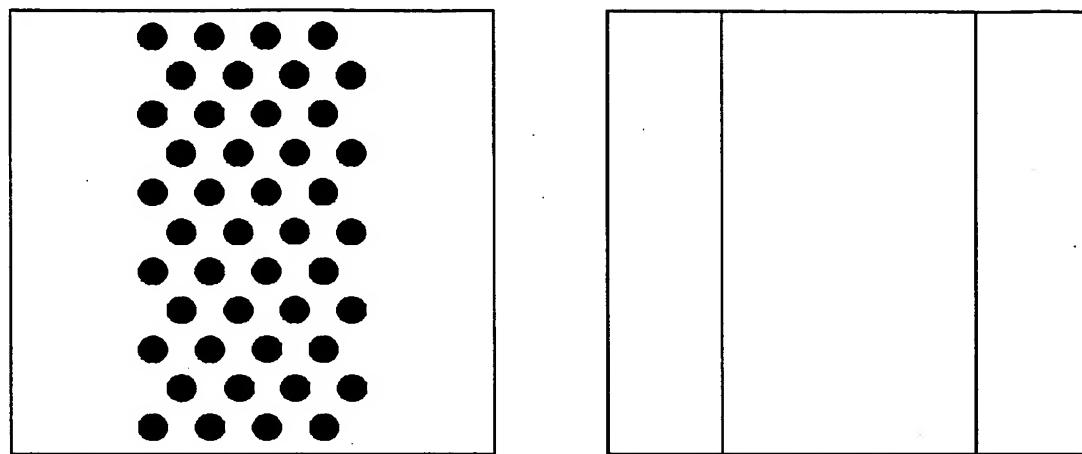
69 / 87

Fig 69



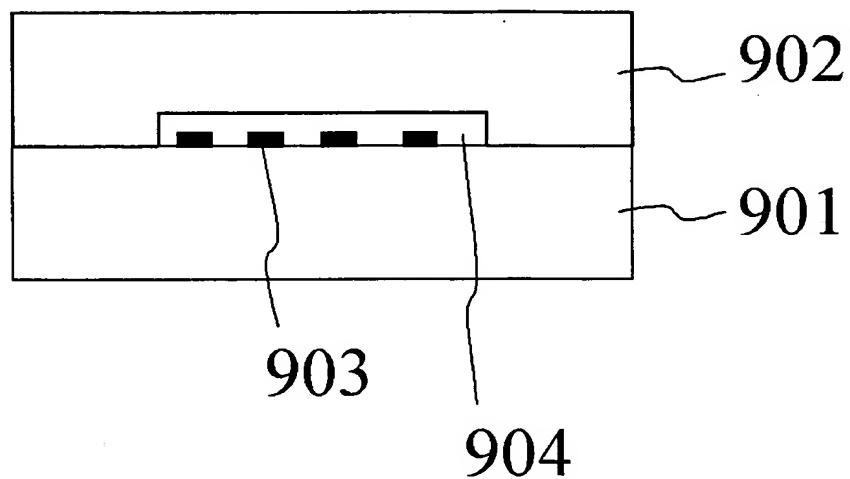
70 / 87

Fig.70



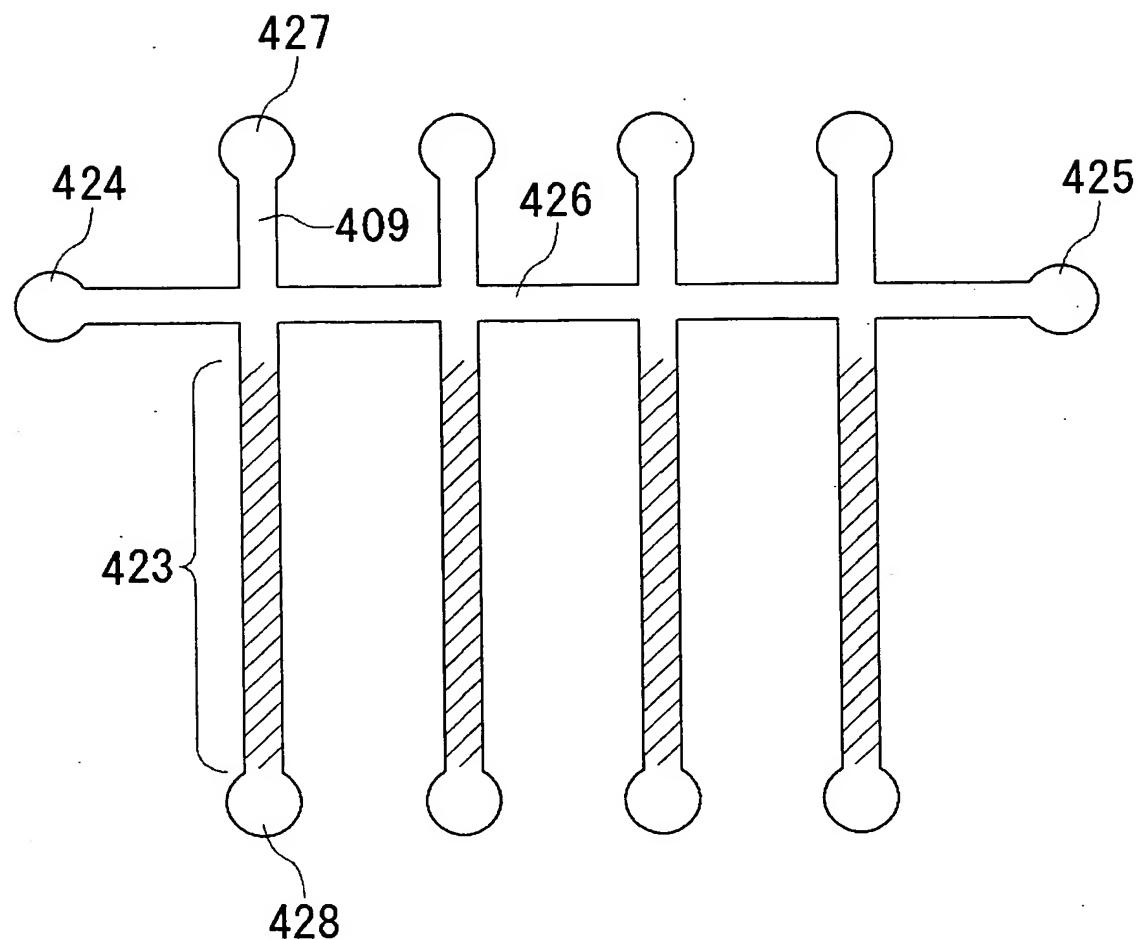
71 / 87

Fig.71



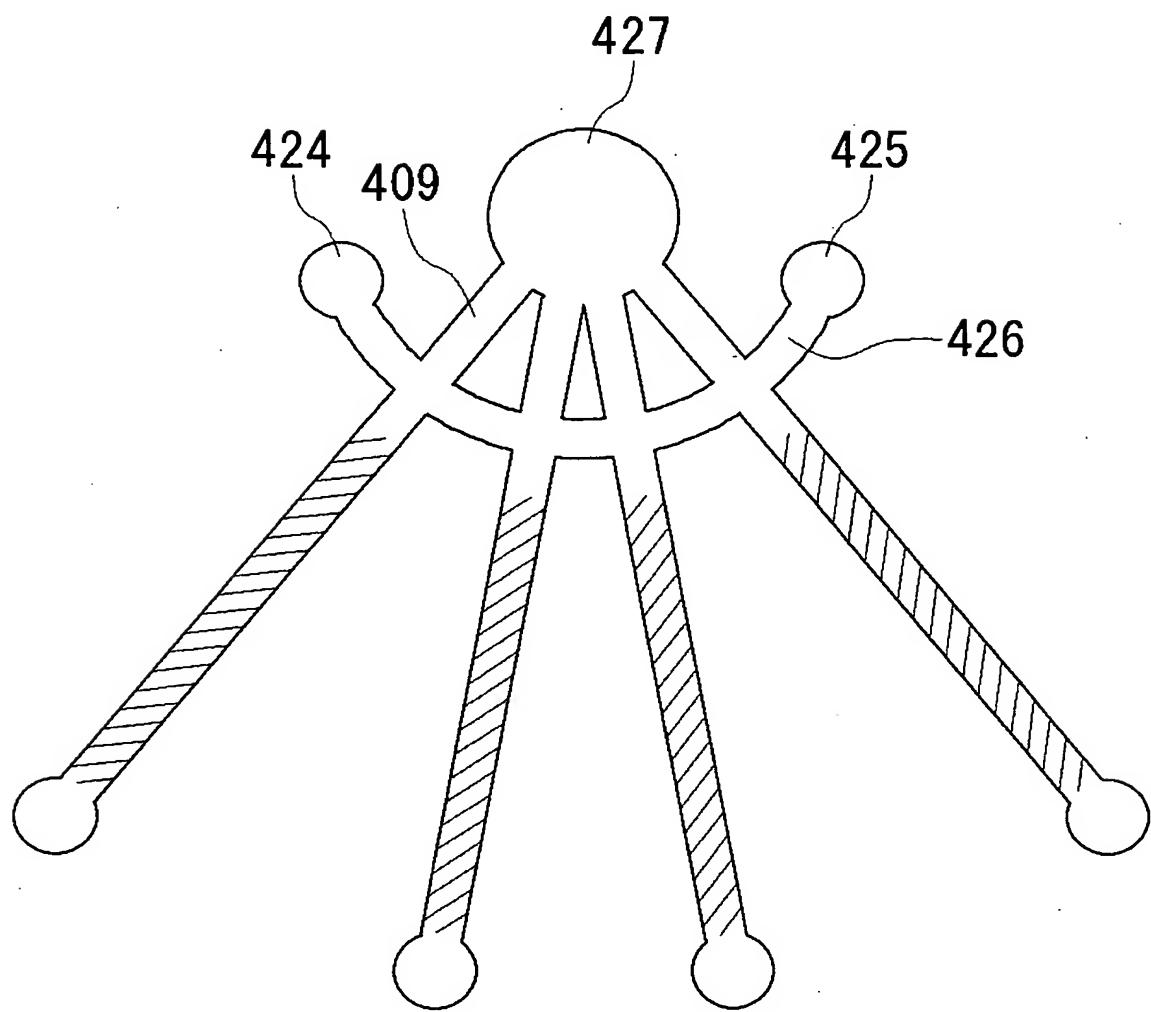
72 / 87

Fig.72



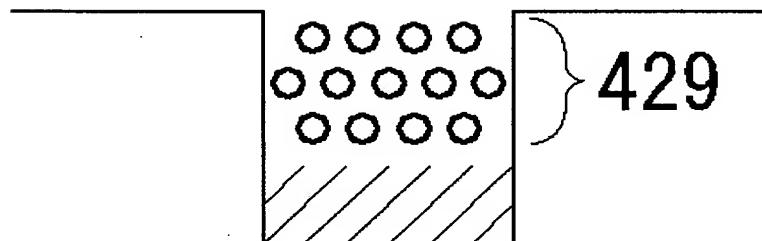
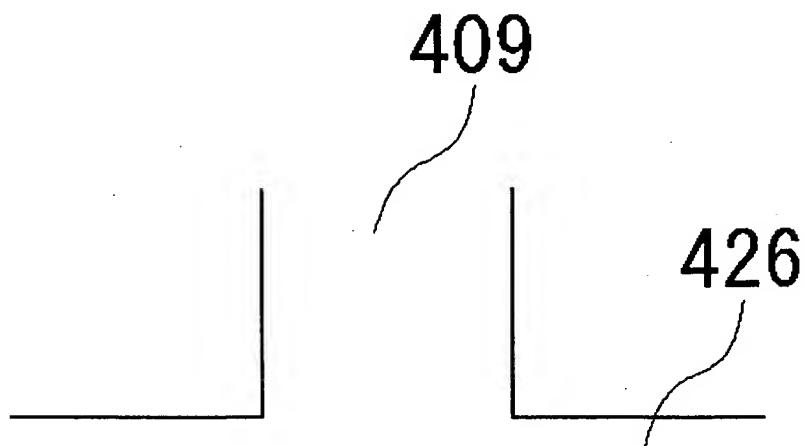
73 / 87

Fig.73



74 / 87

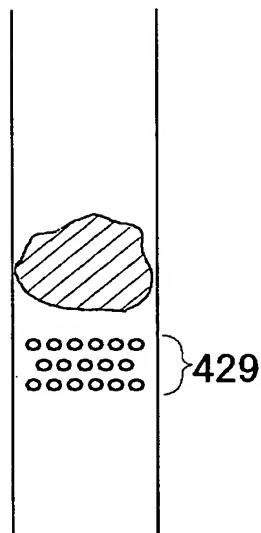
Fig.74



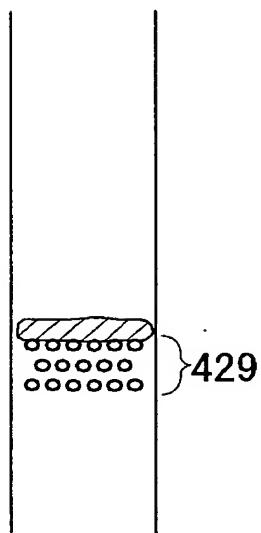
75 / 87

Fig.75

(a)



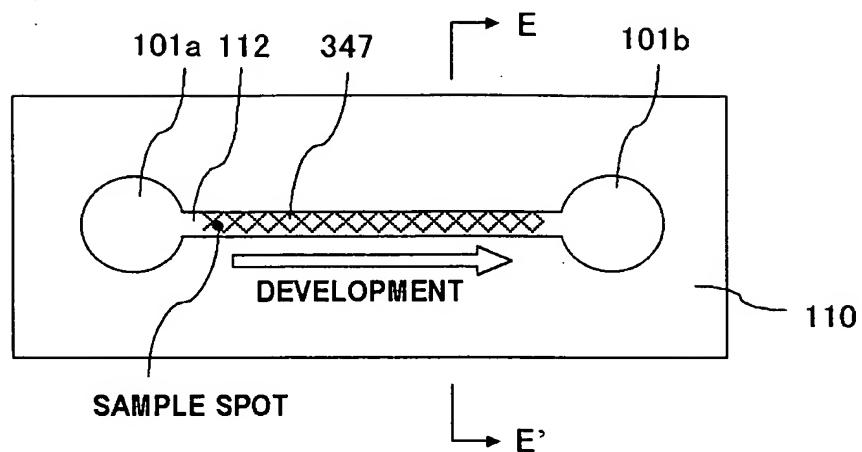
(b)



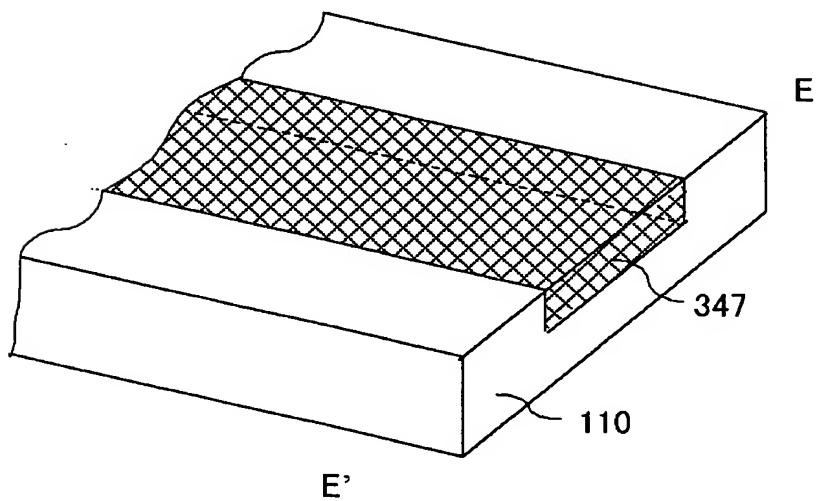
76 / 87

Fig.76

(a)

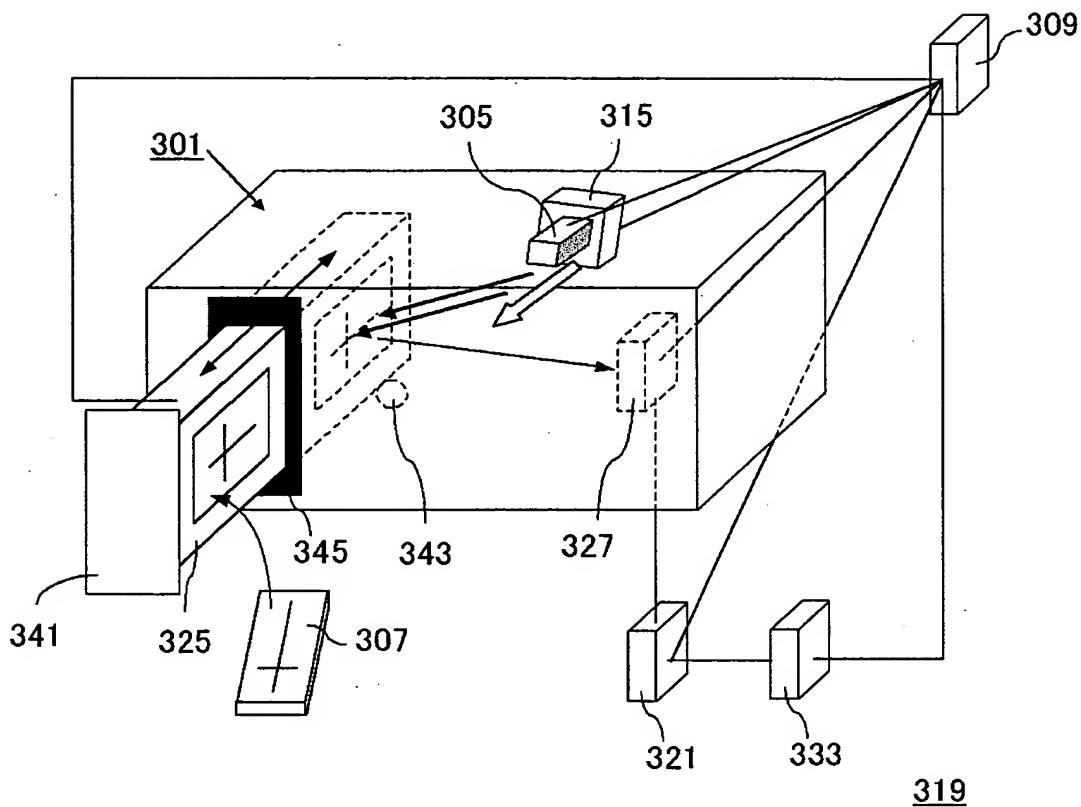


(b)



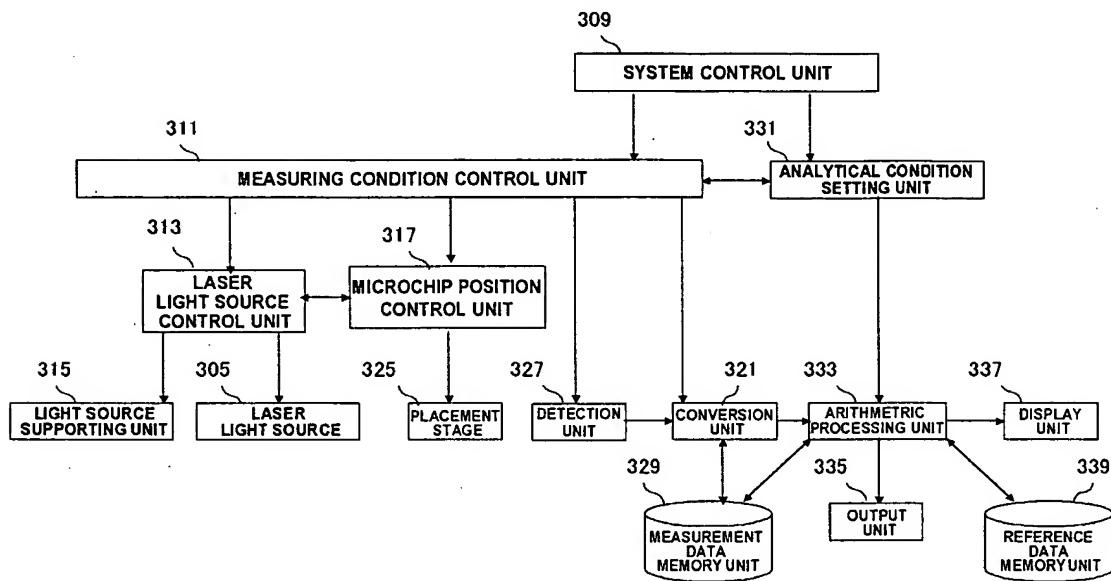
77 / 87

Fig.77



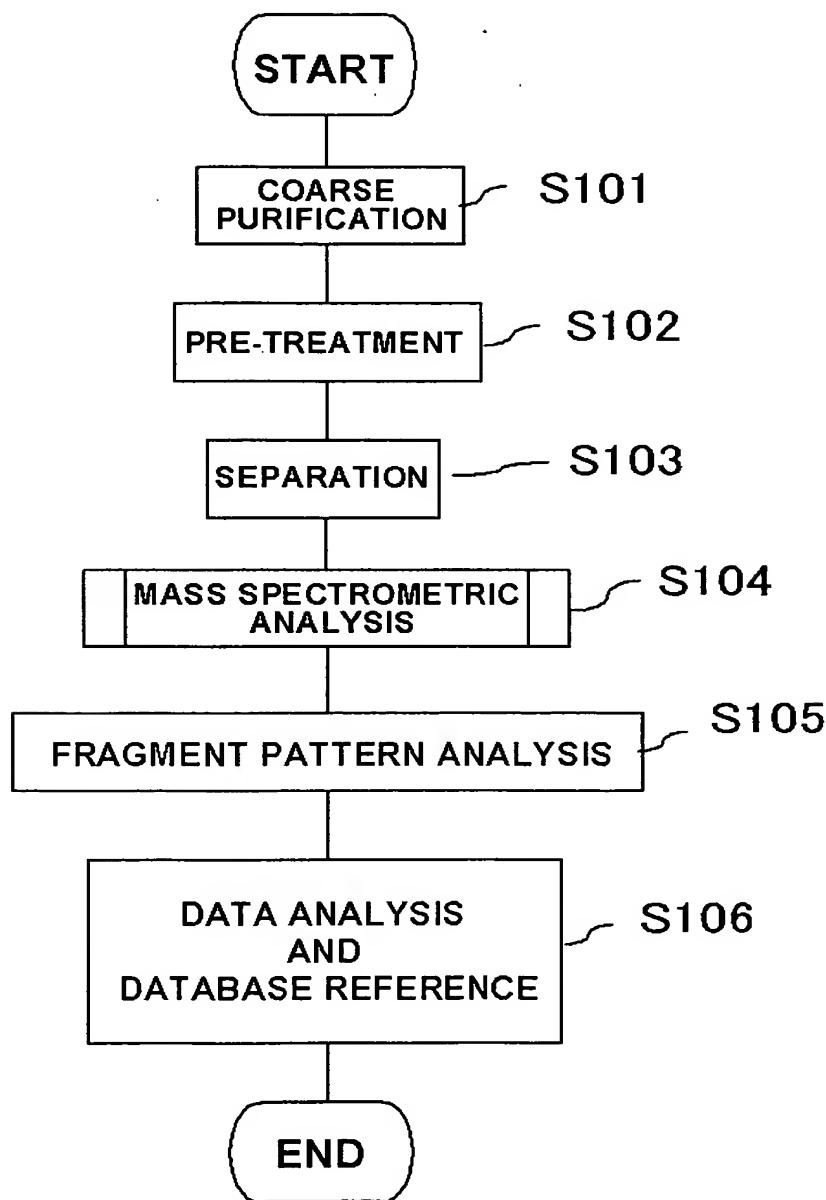
78 / 87

Fig.78



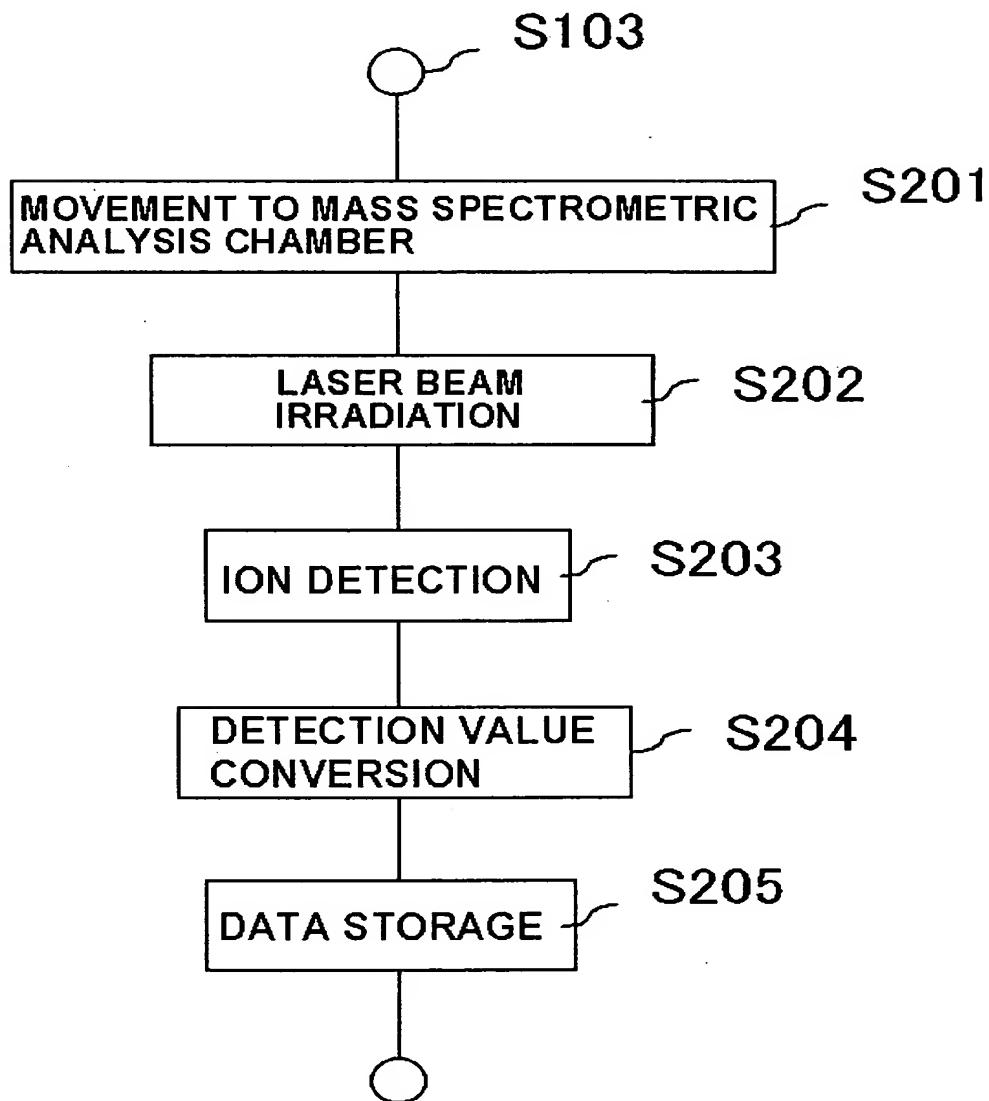
79 / 87

Fig.79



80 / 87

Fig.80



S104

Fig.81

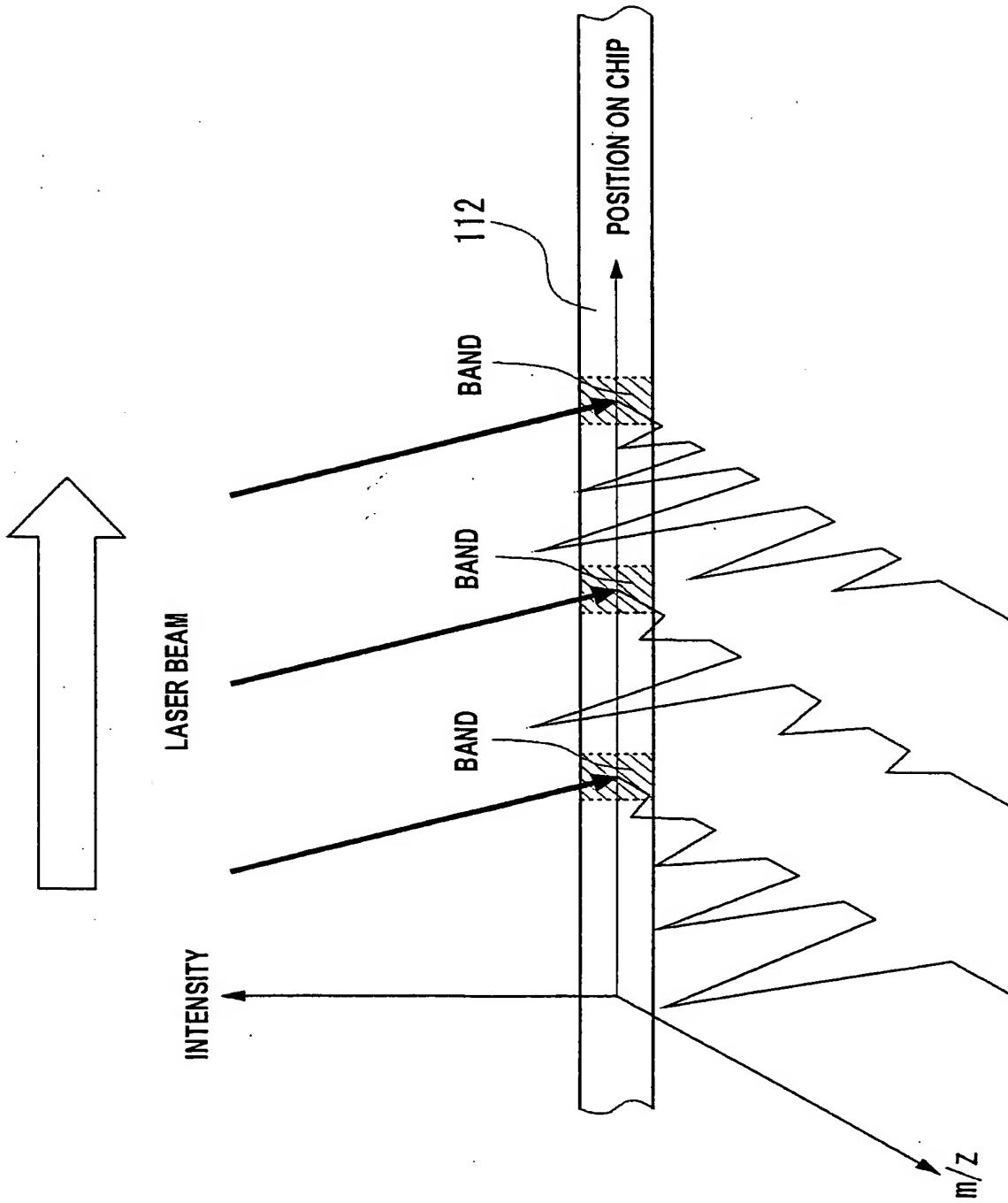


Fig.82

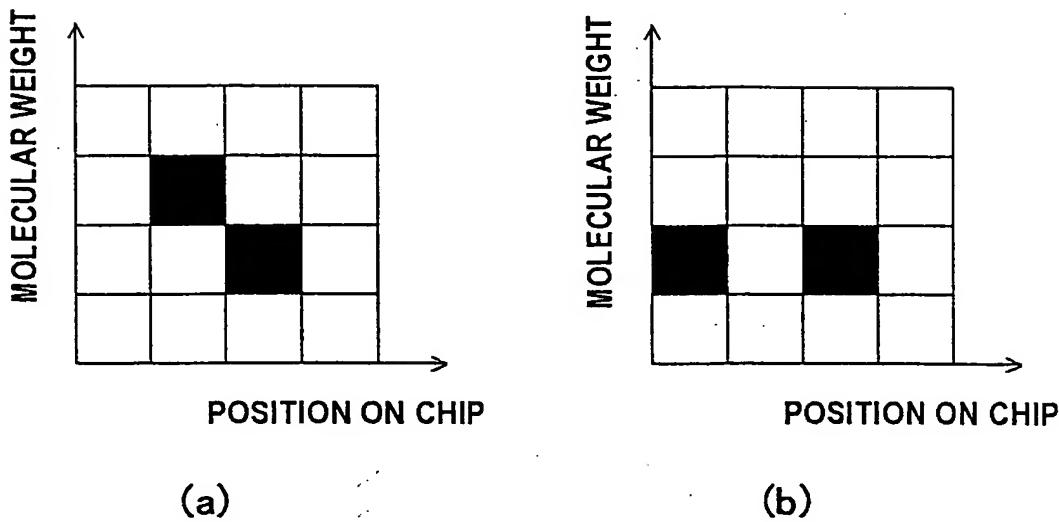


Fig.83

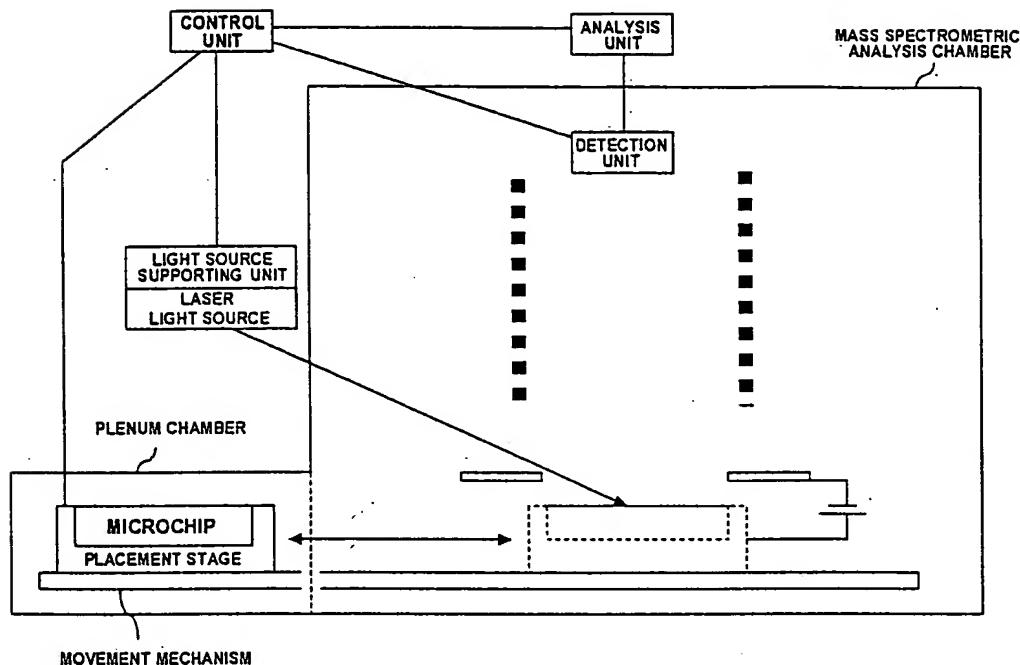
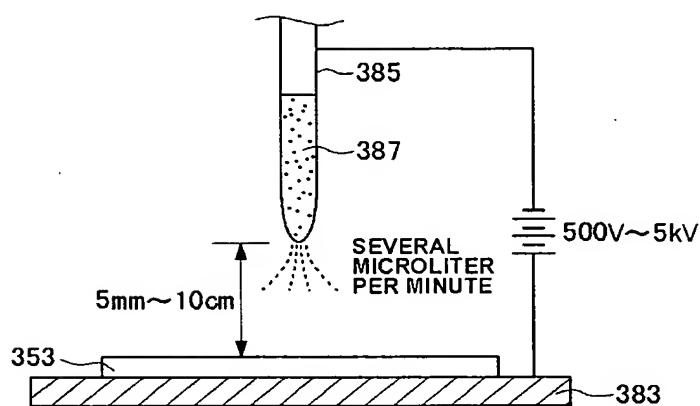
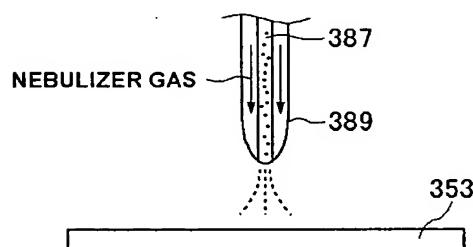


Fig.84

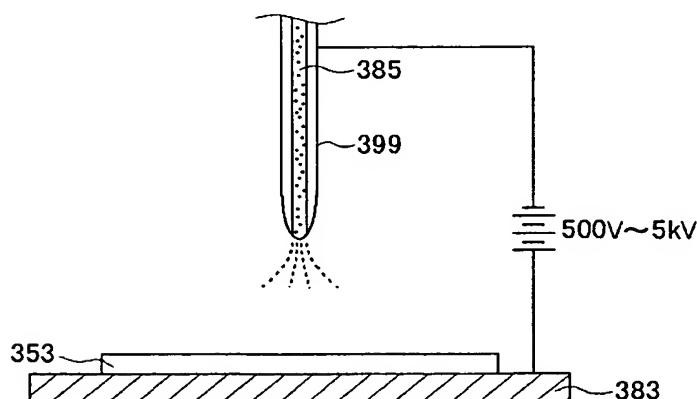
(a)



(b)



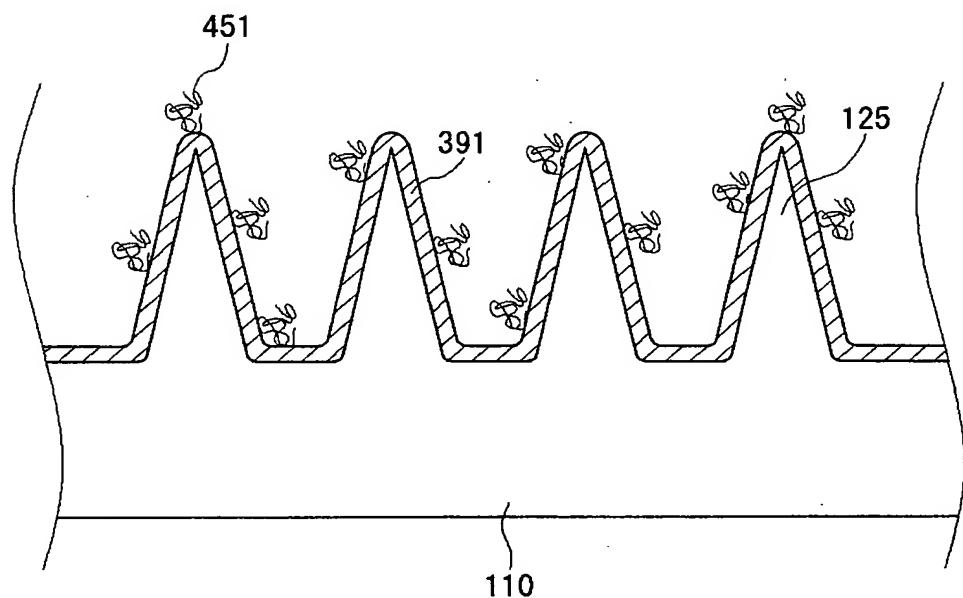
(c)



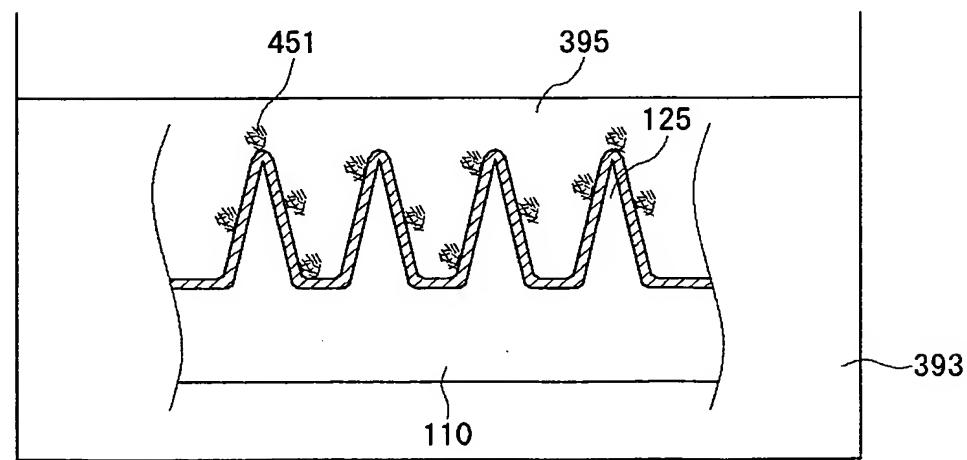
85 / 87

Fig.85

(a)



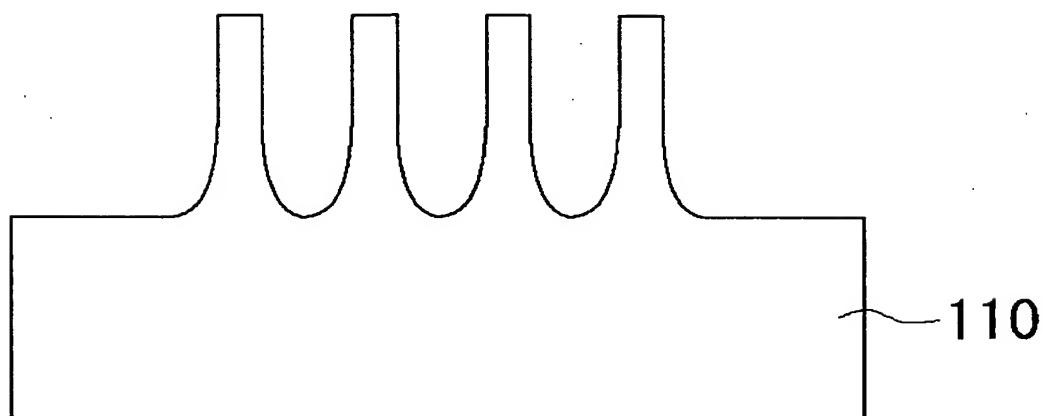
(b)



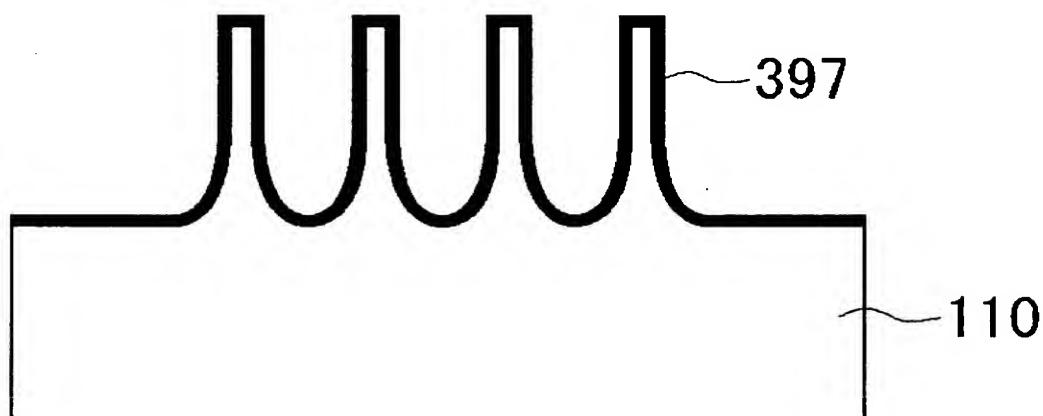
86 / 87

Fig.86

(a)



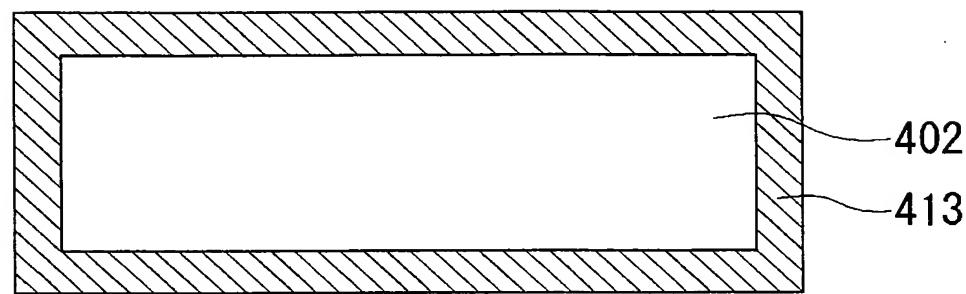
(b)



87 / 87

Fig.87

(a)



(b)

